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Editor: E. J. Coates, F.L.A.

Indexers:

P. Broxis, F.L.A.
P. Stokes
D. Shapley
R. Daniel
R. Hughes

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INTRODUCTION

This index is a guide to the subject content of the major articles which appeared in 1968 in the British technical journals listed on pages 1213–1218. It comprises about 27,400 entries arranged in a single alphabetical sequence of subject headings, together with supporting cross references.

Subject Scope

The Index embraces all departments of Engineering and Chemical Technology, together with the various Manufacturing Processes based upon them. It also includes a great deal of material on the pure science (i.e. the physics or chemistry) of man-made objects and industrial processes. Instruments of all kinds are covered, irrespective of whether their field of application is in pure or applied science. Articles on the chemistry of individual substances are also indexed, as it is only very rarely possible to assert that a chemical species is entirely without technical interest. The *Index* does not cover Industrial Economics, but it does contain references to articles of a mixed technical-economic character. These are invariably signalled by the subheading 'Industry' as opposed to the more usual 'Manufactures' or 'Production' for the technical processes. Technology also overlaps the field of Management at several points, and here the policy of the *Index* is to include from the management sphere only material on such physical and statistical techniques as work study, ergonomics and operational research. Finally, it should be mentioned that the *Index* omits the applied biological sciences from its purview. Here again a number of borderline subjects are included. For instance, the production technology and the chemistry of food, drugs and pesticides are covered, but the physiological chemical aspects are excluded.

Index Structure

The *Index* is designed primarily as a reference tool for tracing articles on highly specific topics. For this purpose the headings are detailed and generally co-extensive with the subjects of the articles listed.

The basic method of index construction may be illustrated by the treatment of such a subject as 'Electroplating resistors with lead'. A single entry is made with supporting references, as follows:

IRON: Ores: Transport.

TRANSPORT: Ores: Iron.
  See IRON: Ores: Transport.

ORES: Iron.
  See IRON: Ores.

Additional facilities are given in two situations. When the first two elements of a heading are in the relation of Whole and Part, as in SHIPS, Diesel engines or MOTOR CARS, Bodies, then a second permuted entry (DIESEL ENGINES, Ships and BODIES, Motor cars) is given under the term representing the Part. This is considered desirable because interest in a particular component may often ignore the more comprehensive unit of which it forms a part. Considerations of a similar character arise in connection with Processes and Applications. The *Index* normally enters under the Application with a reference from the Process. There is a case for substituting a second entry for the reference, but it is felt to be less strong than the case for double entry for Whole-Part and Part-Whole, and it is not possible to have double entry for both in view of economic limitations on the size of the *Index*. The second occasion for the use of double entry is the subject which is a proper name, such as the name of a teaching or research institution, or the name of a prominent structure (realised or unrealised) such as the CHANNEL TUNNEL or SEVERN BRIDGE. In these cases, entries are given both under proper name and under the term for the subject illustrated (e.g. BRIDGES, Suspension and TUNNELS).

In this *Index*, the subjects are entered directly into the alphabetical sequence, and not as subheadings of more general terms, *as long as they can stand alone with unequivocal meaning*, corresponding to the subject of the article. Thus FUEL CELLS are entered directly, and not under ELECTROCHEMISTRY or GENERATORS, Electrical. The purpose here is again to facilitate specific topic searching. Though the *Index* is necessarily a cumbersome tool for broad field searching it has been thought desirable to signpost some varieties of subject relationship. *Index* users often discover pertinent material under a term narrower in meaning than that which they consulted first as approach term. Inquirers primarily interested in a particular application of a process may find useful information on other applications of the same process to parallel situations.

Relational signposting in the *Index* is carried out by references of two kinds. In the first place there are "Related heading" references which refer from more to less general terms. A number of classification schemes have been pressed into service in this connection. Not all of the various hierarchical steps are everywhere included. Thus the names of the various plastics are given as references at Plastics, and not via such intermediate groupings as Synthetic Resin Plastics, and Condensation Polymerised Plastics, though occasionally articles will appear covering these relatively generalised concepts. The "related heading" network for Chemistry is of the simplest kind. No attempt is made to link the various inorganic chemicals, and for organic chemicals only the intermediate concepts "Aliphatic", "Cyclic", "Alicyclic", Aromatic", "Heterocyclic" and "Heteroaromatic" are brought into the system of references. For reasons of space no references are given between subheadings under the same main heading (e.g. AIRCRAFT, Engines and AIRCRAFT, Gas turbines). To compensate for this absence brief systematic synopses have been added at the beginning of certain of the longer sequences of subheadings.

The other relation-indicating mechanism is inherent in the system of inversion references, of which an example has already been given for

IRON: Ores: Transport.

The person searching for this subject may also be marginally interested in (*a*) Transport, (*b*) Transport of ores, (*c*) Other ores. The routine instruction is simply to note the sub-heading terms and then look them up in the main sequence. Thus at TRANSPORT will be found entries for material on transport irrespective of application; there will also be cross references locating headings on particular applications including ore transport. At ORES will be found entries for articles on ores generally, together with cross references to headings dealing with ores of particular metals.

Order of Elements in Headings

Most of the subjects indexed are composite in that they cannot usually be expressed in a single word or phrase. The question therefore arises as to which of the various verbal elements required for the heading shall be entry word and generally as to the order of the other elements in the heading.

The order of verbal elements or components is normally so devised that an account of a process applied to a particular application is placed under the term for the Application. Another invariable rule is that the various word-elements are arranged left to right in order of decreasing concreteness with the most concrete element as the entry word. There are many situations in which recognisable differences in terms of concreteness and abstractness may not be apparent, and a number of rules have been devised for the indexers which regulate heading component order through a consideration of the relationships between the components. The following table illustrates the more commonly used heading constructions and their natural language equivalents.

Compounds which specify a particular type or variety of Thing or Material:

Heading and subheading	*Natural language*
1. THING$_1$, Thing$_2$ CONVEYORS, Roller	Conveyors *with* Rollers
2. FUNCTION. Thing PRINTING: Inks	Inks *for* Printing
3. THING$_2$: Thing$_1$ BUSES: Garages	Garages for Buses
4. THING, Property FABRICS, Coated	Fabrics *with* Coating
5. THING$_2$: Thing$_1$, TURBINES: Rotors THING$_1$: Thing$_2$ ROTORS: Turbines	Rotors *of* Turbines

Compounds denoting Actions or Properties of Things or Materials:

6. THING: Property BEAMS: Strength	Strength *of* Beams
7. THING: Action upon it IRON: Corrosion	Corrosion *of* Iron
8. THING$_1$: Action upon it: Thing$_2$ METALS: Forming: Explosives	Forming *of* Metals *by* Explosives
9. THING: Action upon it: Byproduct PHTHALIC ANHYDRIDE, Production: Tail gases	Tail gases *as byproduct of* Production *of* Phthalic anhydride
10. THING, Its Action LASERS, Welding	Welding *by* Lasers

Other compounds

11. ACTION$_2$: Action$_1$ PACKAGING: Labelling	Labelling *for* Packaging

12. MATERIAL, Diversified role	
PLASTICS, Building materials	Plastics *as* Building materials

N.B.—The subscript figures refer to order in English natural language using prepositions to indicate relationships. The term THING in examples 1–10 includes Materials.

These rules, taken separately or in combination, account for a high proportion of the indexing problems met.

Relation indication in headings

The use of a consistent syntax in headings goes some way towards reducing ambiguity. However, the omission of the actual relational terms or phrases can still occasionally lead to uncertainty of interpretation. Often this uncertainly is of a kind that matters little for information retrieval purposes. The heading

METALS, Extrusion, Presses

can mean that the article is about the extrusion by the press or it can be about the press which extrudes. It is doubtful if ambiguity of this kind is of great practical importance. The need to present suitable data to a computer to enable it to generate acceptable cross references led in 1968 to the use of differentiated punctuation in headings to distinguish relationships between terms. Thus the Action, and Properties of a particular Thing are distinguished from types of varieties of the Thing designated by Action or Property terms. E.g.:

PAINT, Stoving	Stoving paint
PAINT: Stoving	Stoving of paint
STRUCTURES; Steel	Steel structures
STRUCTURES: Steel	Steel of structures

Indexing of Locality terms

A high proportion of the articles indexed deals with objects or activities at particular places. It is of course possible to decide in a general way that the place is or is not significant, but as usual there is a great number of debatable intermediate cases. The radical solution of indexing place in all such cases is ruled out on grounds of space and economics. The practice adopted is as follows:

(1) An article surveying comprehensively the methods practised in a particular country, or a particular species of product produced in a particular country, receives a reference from the country (and from the continent in the case of Africa and South America.

(2) An article dealing with an individual factory or its products does not normally receive a reference from place. Individual structures are not usually specified and referenced by locality, except in the following instances.

Housing
Flats, Maisonettes
Churches, Monasteries and similar buildings
Government and municipal buildings
Town planning topics
Mines
Pipelines
Power stations (including Nuclear and Hydroelectric)
Dams
Coastal and Flood control works, Drainage, Water engineering
Roads
Buildings connected with transport.

Journals covered

A list of the journals covered by this volume of the Index, together with their publishers' addresses, is to be found at the end of the book. It includes some titles no longer in existence. Society publications simply entitled *Journal of . . .*, *Proceedings of . . .*, or *Transactions of . . .* are entered in the list under the name of the society. (In Index citations these journal titles are given in the form used in the journal itself, with the abbreviations shown on page ix.)

Thanks are due to the publishers of many of these journals for supplying copies for indexing and so expediting the work.

Selection of articles for the Index

An attempt has been made to select the more substantial articles published in the journals listed, though no evaluative criteria have been employed. The following types of material are normally excluded: (1) articles comprising less than a page of text and/or diagram in the usual format and typography, (2) brief resumés of symposia and conferences, (3) accounts of exhibitions, and other articles which consist of enumerative descriptions of a variety of products, (4) regular miscellany features, (5) students' features, (6) letters, (7) notes, (8) discussions, (9) book reviews other than essay reviews and review articles.

Indexing unit

The unit of material indexed is the individual article or the part of an article which appears in a single issue of the journal. The various parts of an article published over several issues are therefore not all given the same heading where they are individually distinctive in subject matter.

Synopses

Brief systematic synopses are provided in some cases where there are long sequences of sub-headings under the same main heading. They are included because no connective references are supplied between sub-headings under the same main heading. They also afford a much simplified bird's eye view of the scope and ramifications of the material indexed under the headings concerned. The terms which are italicised in the synopses are found in their *direct* alphabetical position in the sequence of sub-headings. The terms printed in roman in the synopses are grouping terms only.

List of Abbreviations used

Association — Ass.
British — Brit.
Bulletin — Bull.
Engineer — Engr.
Engineers — Engrs.
Engineering — Engng.
Gazette — Gaz.
Illustrations — il.
Institute — Inst.
Institution — Instn.

Journal — J.
Page(s) — p.
Proceedings — Proc.
Quarterly — Q.
Royal — R.
References — refs.
Review — Rev.
Society — Soc.
Transactions — Trans.
Continued on later pages — +

MAIN SUBJECT FIELDS COVERED

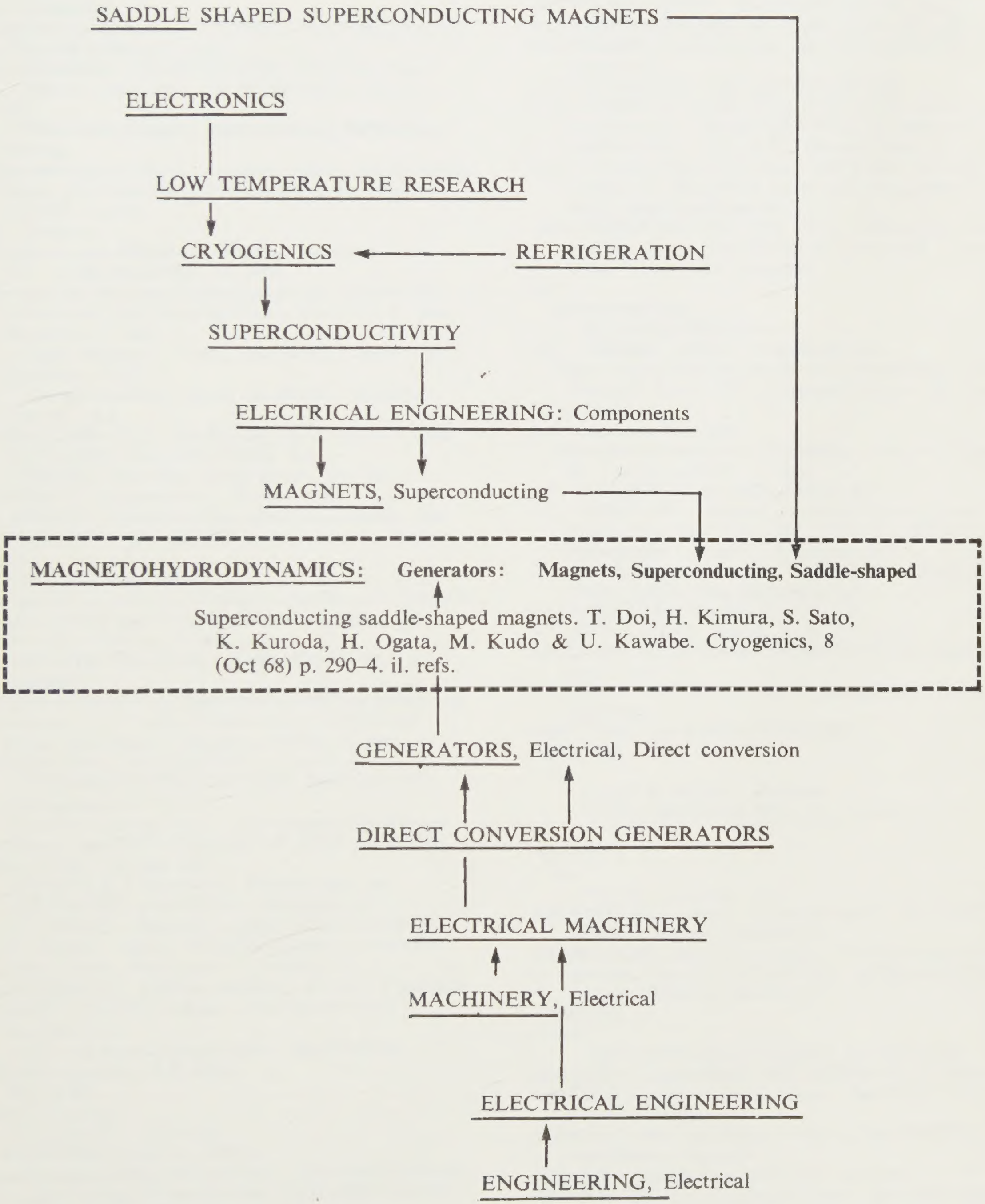
ENGINEERING
- Control, Computers & Instrumentation
- Mechanical
- Production
- Electrical
- Nuclear
- Structural & Building
- Hydraulic
- Sanitary
- Shipbuilding
- Highway
- Railway
- Automobile
- Aircraft
- Astronautics
- Agricultural

MINING
METALLURGY
METAL MANUFACTURES
WOOD MANUFACTURES
TEXTILES
CLOTHING
PAPERMAKING
PRINTING
PACKAGING
WORKS MANAGEMENT
ECONOMICS OF TECHNICAL PROCESSES
INDUSTRIAL HEALTH & SAFETY
TECHNICAL EDUCATION

CHEMICAL TECHNOLOGY
- Corrosion
- Chemical engineering
- Industrial gases
- Ceramics
- Refractories
- Fuels
- Petroleum
- Plastics & Rubber
- Organic chemicals
- Dyes
- Surface active agents
- Paints
- Food and drink
- Inks
- Pharmaceutical
- Photographic chemistry

DIAGRAM TO ILLUSTRATE INDEX STRUCTURE

The underlined terms are 15 access points available in the index, and leading to a paper on saddle-shaped superconducting magnets for magnetohydrodynamic generators. The arrows represent connective cross references provided in the index.


SADDLE SHAPED SUPERCONDUCTING MAGNETS
ELECTRONICS
LOW TEMPERATURE RESEARCH
CRYOGENICS
REFRIGERATION
SUPERCONDUCTIVITY
ELECTRICAL ENGINEERING: Components
MAGNETS, Superconducting
MAGNETOHYDRODYNAMICS: Generators: Magnets, Superconducting, Saddle-shaped
GENERATORS, Electrical, Direct conversion
DIRECT CONVERSION GENERATORS
ELECTRICAL MACHINERY
MACHINERY, Electrical
ELECTRICAL ENGINEERING
ENGINEERING, Electrical

Superconducting saddle-shaped magnets. T. Doi, H. Kimura, S. Sato, K. Kuroda, H. Ogata, M. Kudo & U. Kawabe. Cryogenics, 8 (Oct 68) p. 290–4. il. refs.

2 GROUP METAL SOAPS. See SOAPS, Group 2 metal
A 300 AIRCRAFT. See AIRCRAFT, Types, A 300
A.B.S. See ACRYLONITRILE–BUTADIENE–STYRENE

A.C. : Complexors
Complexors and phasors. D. O'Kelly. Electrical Times, 153 (7 Mar 68) p.380-1. il. refs.

A.C. : Generators. See GENERATORS, Electrical, A.C.
A.C. : Helium; Spark gaps. See SPARK GAPS; Helium : A.C.

A.C. : Phase relationships : Demonstration : Multimeters, Strobing
Demonstrating a.c. theory: sampling method using a strobing meter. J.G. Assenheim. Wireless World, 74 (Jun 68) p.179-80. il. refs.

A.C. : Phasors
Complexors and phasors. D. O'Kelly. Electrical Times, 153 (7 Mar 68) p.380-1. il. refs.
Phasor diagrams: new approach reviewed. J. Hindmarsh. International J. of Electrical Engng. Education, 6 (Mar 68) p.81-5. il. refs.

A.C. : Spark discharge : Gases. See GASES : Spark discharge : A.C.
A.C. : Thermal breaking : Rock. See ROCK : Breaking, Thermal : A.C.
A.C.428 MOTOR CARS. See MOTOR CARS, Types, A.C.428
A.C. AMPLIFIERS. See AMPLIFIERS, A.C.
A.C. BRIDGES : Hall effect measurements. See HALL EFFECT : Measurements : Bridges, A.C.
A.C. BRIDGES : Shubnikov–Haas effect measurement. See SHUBNIKOV–HAAS EFFECT : Measurement : Bridges, A.C.

A.C. CIRCUITS, Three phase
Six-terminal symmetrical-component networks. J.E. Parton & A.T. Amin. Proc. of Instn. of Electrical Engrs., 114 (Nov 67) p.1743-51. il. refs.

A.C. CIRCUITS, Three phase : Faults, Unbalanced : Analysis
Unbalanced faults on a three-phase network by a generalized treatment. D. O'Kelly. International J. of Electrical Engng. Education, 6 (Jun 68) p.199-204. il. refs.

A.C. COUNTERS. See COUNTERS : Circuits, A.C.
A.C. ELECTROMAGNETIC COUNTERS. See COUNTERS, Electromagnetic,, A.C.
A.C. FIELDS : Current : Gain : Photoconductive semiconductors. See PHOTOCONDUCTIVE SEMICONDUCTORS : A.C. fields : Current gain
A.C. IMPEDANCE : Electrodes : Electrolysis. See ELECTRODES: Electrolysis : Impedance, A.C.
A.C. IMPEDANCE : Resonance probes : Electron density measurement. See ELECTRONS : Density : Measurement : Probes, Resonance : Impedance, A.C.
A.C. IMPEDANCE : Sulphate solutions : Copper; Electrodes. See ELECTRODES; Copper : Sulphate solutions : Impedance, A.C.
A.C. LOSS : Superconducting niobium. See NIOBIUM, Superconducting : A.C. loss

A.C. MACHINES
Related Headings:
FREQUENCY : Changers

A.C. MACHINES, Homopolar : Discs
Improvements to homopolar machines : segmented rotors and a.c. discs subject of recent patent [1,091,298] Electrical Rev., 182 (5 Apr 68) p.513

A.C. MACHINES, Homopolar : Rotors, Segmented
Improvements to homopolar machines: segmented rotors and a.c. discs subject of recent patent [1,091,298] Electrical Rev., 182 (5 Apr 68) p.513

A.C. MILLIVOLTMETERS. See MILLIVOLTMETERS, A.C.
A.C. MOTORS. See ELECTRIC MOTORS, A.C.
A.C. MOTORS. See ELECTRIC MOTORS, Synchronous
A.C. POLAROGRAPHY. See POLAROGRAPHY, A.C.
A.C. POWER SUPPLIES. See POWER SUPPLIES, A.C.
A.C. PROBES : Oscilloscopes. See OSCILLOSCOPES : Probes, A.C.
A.C. VOLTMETERS. See VOLTMETERS, A.C.
A.E.C. MAMMOTH MAJOR TRACTIVE UNITS : Articulated motor vehicles. See MOTOR VEHICLES, Articulated : Tractive units, Types, A.E.C. Mammoth Major
A.E.C. MANDATOR–BODEN MK.3 ARTICULATED MOTOR VEHICLES. See MOTOR VEHICLES, Articulated, Types, A.E.C. Mandator–Boden Mk.3
A.E.C. MANDATOR TRACTIVE UNITS : Articulated motor vehicles. See MOTOR VEHICLES, Articulated : Tractive Units, Types, A.E.C. Mandator

A.F.
Related Headings:
SUBAUDIO FREQUENCY

A.F. : Decibels : Meters : Digital read out
Digital-display decibelmeter for audio frequencies. L.W. Ellen & A. Coyte. P.O. Electrical Engrs. J., 60 (Jan 68) p.274-80. il.

A.F. : Spectrum analysers
Audio-spectrum analyser. M. Bronzite. Electronic Engng., 40 (Jan 68) p.27-31. il. refs.

A.F. AMPLIFIERS. See AMPLIFIERS, A.F.
A.F. AMPLIFIERS : Bridges : Conductivity measurement : Electrolytes. See ELECTROLYTES : Conductivity : Measurement : Bridges : Amplifiers, A.F.
A.F. GLOW DISCHARGE ELECTRON TUBES. See ELECTRON TUBES, Glow discharge,, A.F.
A.F. INDUCTORS. See INDUCTORS, A.F.
A.F. OSCILLATORS. See OSCILLATORS, A.F.
A.M.C. AMX MOTOR CARS. See MOTOR CARS, Types, A.M.C. Amx
ABANDONED MOTOR VEHICLES. See MOTOR VEHICLES, Abandoned
ABATTOIRS. See SLAUGHTERHOUSES

ABERDEEN
See
COASTAL WORKS.. Aberdeen
TORRY RESEARCH STATION.. Aberdeen

ABERGELE
See
ROADS.. Abergele

ABERRATIONS : Lenses : Electron optics. See ELECTRON OPTICS : Lenses : Aberrations
ABERRATIONS, Spherical : Lenses : Electron probe microanalysis. See ELECTRON PROBE MICROANALYSIS : Lenses : Spherical aberrations

ABINGTON
See
BRITISH WELDING RESEARCH ASSOCIATION

ABRASION : Copper–Gold. See COPPER–GOLD : Abrasion
ABRASION : Leather; Soles : Shoes. See SHOES : Soles; Leather : Abrasion
ABRASION : Man made fibres; Fabrics. See FABRICS; Man made fibres : Abrasion
ABRASION : Metals. See METALS : Abrasion
ABRASIVE BELTS : Grinding machines. See GRINDING, MACHINES, Abrasive belts
ABRASIVE INCLUSIONS : Hot rolled free machining steel. See STEEL, Free machining,, Rolled, Hot : Inclusions, Abrasive

ABRASIVE SLURRIES : Wheels : Buffing : Metals. See METALS : Buffing : Wheels : Slurries, Abrasive

ABRASIVES, Coated : Finishing : Wood. See WOOD : Finishing : Abrasives, Coated

ABRASIVES
Related Headings:
CORUNDUM

ABRASIVES : Abrasion : Metals. See METALS : Abrasion : Abrasives

ABRASIVES : Bonding : Metals : Electroforming
Metal-bonded abrasives: extracts from 'Electroforming'. P. Spiro. Electroplating & Metal Finishing, 21 (May 68) p.143-6. il. refs.

ABRASIVES : Cleaned printed electronic circuits. See CIRCUITS, Electronic,, Printed,, Cleaned : Abrasives

ABRASIVES, Coated
Coated abrasives for the future. Light Production Engng., 6 (Feb 68) p.14-18. il.

ABRASIVES : Suction shot blasting : Descaling : Steel; Bars. See BARS; Steel : Descaling : Shot blasting, Suction : Abrasives

ABRASIVES : Suction shot blasting : Descaling : Steel; Rods. See RODS; Steel : Descaling : Shot blasting, Suction : Abrasives

ABRASIVES : Suction shot blasting : Descaling : Steel; Wires. See WIRES; Steel : Descaling : Shot blasting, Suction : Abrasives

ABRASIVES : Testing : Machines
Moulding-sand and abrasive testing: pre-requisites for economical production in a foundry. O. Hikl. Foundry Trade J., 125 (31 Oct 68) p.697+. il.

ABSORBENT LININGS : Formwork : Concrete building construction. See BUILDINGS; Concrete : Construction : Formwork : Linings, Absorbent

ABSORBENTS : Water : Paint. See PAINT : Water absorbents

ABSORBERS : Helium–Neon; Lasers. See LASERS; Helium–Neon : Absorbers

ABSORBERS : Slowing down : Neutrons : Water moderated nuclear reactors. See NUCLEAR REACTORS, Water moderated : Neutrons : Slowing down : Absorbers

ABSORPTION
Related Headings:
CHEMISORPTION

ABSORPTION : Ammonia : Water. See WATER : Ammonia absorption

ABSORPTION, Arrested : Density measurement : Refractories. See REFRACTORIES : Density : Measurement : Absorption, Arrested

ABSORPTION : Benzene : Sulphuric acid solutions : Platinised platinum; Electrodes. See ELECTRODES; Platinum, Platinised : Sulphuric acid solutions : Benzene absorption

ABSORPTION : Carbon dioxide : Aqueous solutions : Sodium carbonate. See SODIUM CARBONATE : Aqueous solutions : Carbon dioxide absorption

ABSORPTION : Carbon dioxide : Ethanolamine. See ETHANOLAMINE : Carbon dioxide absorption

ABSORPTION : Carbon dioxide : Turbulent jets : Water. See WATER : Jets, Turbulent : Carbon dioxide absorption

ABSORPTION : Colour. See COLOUR : Absorption

ABSORPTION : Columns, Countercurrent,, Packed : Flow : Studies : Resistivity
Etude des fluctuations de la texture du liquide s'écoulant à contre-courant ou à co-courant du gaz dans un garnissage de colonne d'absorption. C. Prost. Chemical Engng. Science, 22 (Oct 67) p.1283-97. il. refs.

ABSORPTION, Dielectric : Capacitors. See CAPACITORS : Dielectric absorption

ABSORPTION : Diffusion
Diffusion and chemical reaction in catalysis and absorption. D.J. Gunn. Chemical Engng. Science, 22 (Nov 67) p.1439-55. il. refs.

ABSORPTION : Electron probe microanalysis. See ELECTRON PROBE MICROANALYSIS : Absorption

ABSORPTION : Electrons : Electron diffraction : Crystals. See CRYSTALS : Electron diffraction : Electron absorption

ABSORPTION : Electrons : Electron microscopy. See MICROSCOPY, Electron : Electron absorption

ABSORPTION : Fast electrons : Single crystals : Aluminium. See ALUMINIUM : Crystals, Single : Fast electron absorption

ABSORPTION : Fumes : Digestion : Perchloric acid. See PERCHLORIC ACID : Digestion : Fumes : Absorption

ABSORPTION : Gases : Laminar jets : Liquids. See LIQUIDS : Jets, Laminar : Gas absorption

ABSORPTION : Gases : Liquids. See LIQUIDS : Gas absorption

ABSORPTION : Gases : Metals; Strips. See STRIPS: Metals : Gas absorption

ABSORPTION : Hydrogen : Film platinum electrodes. See ELECTRODES; Platinum,, Film : Hydrogen absorption

ABSORPTION : Hydrogen : Turbulent jets : Water. See WATER : Jets, Turbulent : Hydrogen absorption

ABSORPTION : Hydrogen chloride : Water. See WATER : Hydrogen chloride absorption

ABSORPTION : Isobutene : Sulphuric acid. See SULPHURIC ACID : Isobutene absorption

ABSORPTION : Light : Glass : Fibre optics. See FIBRE OPTICS : Glass : Light absorption

ABSORPTION : Light : Molybdenum disulphide. See MOLYBDENUM DISULPHIDE : Light absorption

ABSORPTION : Light : Selenium–Sulphur. See SELENIUM–SULPHUR : Light absorption

ABSORPTION : Light : Silicon monoxide. See SILICON MONOXIDE : Light absorption

ABSORPTION : Oxygen : Aqueous solutions : Cuprous chloride. See CUPROUS CHLORIDE : Aqueous solutions : Oxygen absorption

ABSORPTION : Oxygen : Aqueous solutions : Sodium hydrosulphite. See SODIUM HYDROSULPHITE : Aqueous solutions : Oxygen absorption

ABSORPTION : Oxygen : Caustic soda solutions : Sodium hydrosulphite. See SODIUM HYDROSULPHITE : Caustic soda solutions : Oxygen absorption

ABSORPTION : Packed beds : Dispersion, Longitudinal
Longitudinal dispersion in packed beds of porous adsorbing solids. J. Dayan & O. Levenspiel. Chemical Engng. Science, 23 (Nov 68) p.1327-34. refs.

ABSORPTION : Printing papers. See PRINTING : Papers : Absorption

ABSORPTION : Pulsed columns : Air bubbles : Water. See WATER : Air bubbles : Columns, Pulsed : Absorption

ABSORPTION, Resonance : Epithermal neutrons : Nuclear reactors. See NUCLEAR REACTORS : Neutrons, Epithermal : Resonance absorption

ABSORPTION, Resonance : Neutrons : Nuclear reactors. See NUCLEAR REACTORS : Neutrons : Absorption, Resonance

ABSORPTION, Resonance : Neutrons : Thorium-232; Fuels : Nuclear reactors. See NUCLEAR REACTORS : Fuels; Thorium-232 : Neutrons : Resonance absorption

ABSORPTION, Resonance : Neutrons : Uranium-238; Fuels : Nuclear reactors. See NUCLEAR REACTORS : Fuels; Uranium-238 : Neutrons : Resonance absorption

ABSORPTION : Resonance : Plasma filled waveguides. See WAVEGUIDES, Plasma filled : Resonance : Absorption

ABSORPTION : Ultraviolet radiation : Soda–Silica glass. See GLASS, Soda–Silica : Ultraviolet radiation absorption

ABSORPTION : Water : Correlation with crimp : Wool fibres. See WOOL : Fibres : Crimp : Correlation with water

ABSORPTION : Water : Effect on strength : Polyester–Glass fibre; Beams. See BEAMS; Polyester–Glass fibre : Strength : Effect of water absorption

ABSORPTION : Water : Keratin : Wool. See WOOL : Keratin : Water absorption

ABSORPTION : X-rays : Electron probe microanalysis. See ELECTRON PROBE MICROANALYSIS : X-ray absorption

ABSORPTION REFRIGERATORS. See REFRIGERATORS, Absorption

ABSORPTION SPECTROSCOPY. See SPECTROSCOPY, Absorption

ABSORPTION SPECTROSCOPY : Impurity centres : Emulsions : Photography. See PHOTOGRAPHY : Emulsions : Impurity centres : Spectroscopy, Absorption

ABSORPTION SPECTROSCOPY : Impurity centres : Single crystals : Silver halides. See SILVER HALIDES : Crystals, Single : Impurity centres : Spectroscopy, Absorption

ABSTRACTS : Technical literature : Chemistry. See CHEMISTRY : Technical literature : Abstracts

ABUTMENTS (Bridges) Concrete : Foundations; Gravel : Friction : Calculations

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AIR INFLATED FURNITURE. See FURNITURE, Air inflated

AIR INFLATED STRUCTURES. See STRUCTURES, Air inflated

AIR INFLATED STRUTS : Flying units : Hovercraft. See HOVERCRAFT : Flying units : Struts, Air inflated

AIR INJECTION : Exhaust : Motor cars. See MOTOR CARS : Exhaust : Air injection

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AIR TRANSPORT
Related Headings:
AIRCRAFT, Supersonic : Transport
AIRPORTS

AIR TRANSPORT–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *History*

- Particular countries & routes
  - *Great Britain*
  - Europe
    - *Germany*
    - *West Germany*
    - *Sweden*
  - *Indian Ocean*
  - Asia
    - *Lebanon*
    - *China*
    - *South East Asia*
    - *Vietnam*
  - *Atlantic Ocean*
    - *North Atlantic*
  - North America
    - *U.S.A.*
      - *California*

AIR TRANSPORT–SUBHEADINGS–Synopsis–*cont.*

-
  - *Latin America*
  - *South America*
    - *Peru*
  - *Australia*
  - *Pacific Ocean*

- *Consultants*
- *Organisations*
- *Education*

- *Costs*
  - *Fares*

- Problems
  - *Terminal area delay*

- Equipment & Facilities
  - *Communications engineering*
  - *Computers*

- Operations
  - *Value analysis*
  - *Operational research*
  - *Load factor*
  - *Traffic control*
  - *Flight planning*
  - *Route organisation*
  - *Seat reservation*

- Types of transport operations
  - *Chartered*

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Air California: statistical revolution. P. McNulty. Aeroplane, 116 (24 Jan 68) p.4-6

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AIR TRANSPORT : Computers : Buildings
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- AERODROMES
- AERODYNAMICS
- AEROFOILS
- AIRSHIPS
- AUTOGYROS
- BALLOONS
- FLYING
- FLYING BOATS
- GLIDERS
- HELICOPTERS
- PARACHUTES

AIRCRAFT–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Research*
  - *Models*

- Problems
  - *Safety*
    - *Accidents*
    - *Fires*
    - *Collisions*
  - Aerodynamics
    - *Drag*
  - *Vibrations*
    - *Noise*
  - *Icing*
  - *Corrosion*

- Operations
  - *Engineering*
    - *Design*
    - *Manufactures*
    - *Servicing*
  - *Painting*
    - *Paint*
  - *Parking*
  - *Fuelling*
    - *Refuelling*
  - *Loading*
    - *Load distribution*
    - *Unloading*
  - *Navigation*
    - *Collision rules*
  - *Rotation*
  - *Tracking*

- Components & systems
  - *Components*
  - *Structures*
    - *Nose cones*

AIRCRAFT–SUBHEADINGS–Synopsis–cont.

- Components & Systems–cont.
  - *Wings*
    - *Undercarriages*
    - *Tyres*
  - *Hydrofoils*
  - *Hydroskis*
  - *Nozzles*
  - *Seals*
  - *Bearings*
  - *Fuels*
  - *Fuel systems*
  - *Engines*
    - *Gas turbines*
  - *Propellers*
  - *Cabins*
    - *Seats*
      - *Upholstery*
  - *Systems*
    - *Hydraulic systems*
      - *Servo valves*
    - *Pneumatic systems*
      - *Air motors*
    - *Electrical equipment*
      - *Circuit breakers*
      - *Frequency changers*
    - *Electronic systems*
      - *Radio*
        - *Data transmission*
    - *Navigation systems*
    - *Control systems*
  - *Instruments*

- Performance
  - *Speed*

- Kinds of aircraft
  - *Supersonic*
  - *Hypersonic*
  - *Short take off*
  - *Vertical take off*
  - *Rotating wing*
  - *Tilt rotor*
  - *Stopped rotor*
  - *Light*
  - *Steam*
  - *Amphibious*
  - *Training*
  - *Military*
    - *Target*
  - *Naval*
  - *Types*

- Ancillaries
  - *Ground support equipment*

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ALBERTA
See
OIL SAND .. Athabasca

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BREWING
CIDERS
SPIRITS
WINES

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ALLYL ALCOHOLS
n-AMYL ALCOHOL
ETHYL ALCOHOL
ETHYLENE GLYCOL
ETHYNYL CARBINOLS
FLAVONOLS
FURFURYL ALCOHOL
GLYCEROL
GLYCOLS
1-HEXANOL
ISOPROPYL ALCOHOL
KHUSINOL
METHYL ALCOHOL
2-METHYLBUT-1-EN-4-OL
NONYL ALCOHOL
PATCHOULI ALCOHOL
POLYHYDRIC ALCOHOL NITRATES
SORBITOL

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ALGAE

Related Headings:
SEAWEED

ALGAE, Blue green

Related Headings:
SPIRULINA MAXIMA

ALGAE, Brown

Related Headings:
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AMMONIUM ALGINATE
SODIUM ALGINATE

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ALGOL 60 : Languages : Programs : Computers. See COMPUTERS : Programs : Languages : Algol 60

ALICYCLIC COMPOUNDS

Related Headings:
ACTIDIONE
CYCLAMATES
CYCLOBUTENOLONES
CYCLOHEXANE
1,2-CYCLOHEXANEDIONE DIOXIME
CYCLOHEXANONE
CYCLOHEXYLAMINE
CYCLOPROPANE
gem-DIBROMOCYCLOPROPANES
INOSITIDES
MENTHONE
PERFLUOROCYCLOBUTANE
SESQUITERPENES, Alicyclic
SULPHINIC ESTERS, Alicyclic
TERPANES

ALIGNMENT : Electron microscopes. See MICROSCOPES, Electron : Alignment

ALIGNMENT, Optical. See OPTICAL ALIGNMENT

ALIGNMENT : Tunnelling : Mining. See MINING : Tunnelling : Alignment

ALIPHATIC COMPOUNDS

Related Headings:
ACETALDEHYDE
9-ACETAMIDO-10-HYDROXYOCTADECANE
ACETATES
ACETIC ACID
ACETIC ANHYDRIDE
ACETONE
ACETONITRILE
ACETOXYTOSYLHYDRAZONES
ACETYLACETONATES
ACETYLENE
ACETYLGLUTAMINE
ACONITIC ACID
ACRYLONITRILE
ADIPONITRILE
ALCOHOLS, Aliphatic
ALKALI CHLORODIFLUOROACETATES
ALKALINE EARTH CHLORODIFLUOROACETATES
ALKEN-1-OLS
ALKOXYSILANES
ALKYL DIETHANOLAMINES
ALKYLLITHIUM COMPOUNDS
ALKYL METHACRYLATES
AMINES, Aliphatic
n-AMYL ALCOHOL
AZO-BIS-ISOBUTYRONITRILE

BETAINES
BUTADIENE
BUTANE
BUTYL MERCAPTAN

CARBOXYLATES
CETYLTRIMETHYLAMMONIUM BROMIDE
CHLOROFORM
CITRACONIC ACID
CITRATES
CITRIC ACID
CUPRIC OXALATE

DI-*t*-BUTYL PEROXIDE
DICARBOXYLIC SODIUM SALTS
1,3-DICHLORO-2-PROPANOL STEAROYL ESTER
DIENES
DIMETHYLAMINE
DIMETHYL FORMAMIDE
DIMETHYLOL ALKYL CARBAMATES
DIMETHYLOLUREA
DIMETHYL SULPHOXIDE
DODECYLAMINE
ETHANE
ETHANOLAMINE
ETHYL ACRYLATE
ETHYL ALCOHOL
ETHYL BROMIDE
ETHYL CYANIDE
ETHYLENE
ETHYLENEBISDITHIOCARBAMATES
ETHYLENE DICHLORIDE
ETHYLENE GLYCOL
ETHYL XANTHATE
alpha-FARNESENE
FATTY ACIDS
FORMALDEHYDE
FORMIC ACID
GLUCONIC ACID
GLUTARALDEHYDE
GLYCEROL
HEPTANE

ALIPHATIC COMPOUNDS
  Related Headings–*cont.*
    1,4-HEXADIENE
    HEXAFLUOROETHANE
    HEXANE
    1-HEXANOL
    IRON OXALATE COMPLEXES
    ISOPENTANE
    ISOPRENE
    ISOPROPYL ACETATE
    ISOPROPYL ALCOHOL
    ISOPROPYL ETHER
    KETENE
    LEAD ACETATE
    LEAD TETRAACETATE
    LINALYL ACETATE
    LINOLEIC ACID
    MALEIC ACID
    METHALLIBURE
    METHANE
    METHYL ACRYLATE
    METHYL ALCOHOL
    METHYL BROMIDE
    2-METHYLBUT-1-EN-4-OL
    METHYLENE CHLORIDE
    METHYL ESTERS
    METHYLETHYL KETONE
    METHYL GROUPS
    N-METHYL GROUPS
    METHYLOLALKOXYALKYL CARBAMATES
    4-METHYLPENTENE-1
    NITRO-COMPOUNDS, Aliphatic
    NONYL ALCOHOL
    n-OCTACOSANE
    n-OCTANE
    OLEIC ACID
    PALMITIC ACID
    PARAFFINS
    PENTANE
    PERCHLOROETHYLENE
    POLYHYDRIC ALCOHOL NITRATES
    POTASSIUM *t*-BUTOXIDE
    POTASSIUM DIETHYLDITHIOCARBAMATE
    PROPANE
    PROPIONALDEHYDE
    PROPIONIC ACID
    PROPYLENE
    SODIUM DIETHYLDITHIOCARBAMATE
    SODIUM HEXYL SULPHATE
    SODIUM METHYLATE
    SODIUM THIOGLYCOLATE
    STEARIC ACID
    TARTARIC ACID
    TETRAETHYL LEAD
    TETRAMETHYL LEAD
    THIOGLYCOLIC ACID
    THIOMALIC ACID
    THIOUREA
    THIOUREA DIOXIDE
    TITANIUM 1,2-BISDIMETHYLARSINOETHYLENE
    TRIBUTYLBORANES
    TRIBUTYL PHOSPHATE
    1,1,1-TRICHLOROETHANE
    TRICHLOROETHYLENE
    TRICHLOROTRIFLUOROETHANE
    TRIETHANOLAMINE
    TRIMETHYLAMINE
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ALUMINA–PLATINUM; Catalysts : Surface transport processes : Krypton. See KRYPTON : Transport processes, Surface : Catalysts; Alumina–Platinum

ALUMINA–PLATINUM; Catalysts : Surface transport processes : Gaseous paraffins. See PARAFFINS, Gaseous : Transport processes, Surface : Catalysts; Alumina–Platinum

ALUMINA–POTASSIUM AMIDE; Catalysts : Isomerisation : Acetylenes. See ACETYLENES : Isomerisation : Catalysts; Alumina–Potassium amide

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ALUMINIUM–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Physico-chemical aspects
    - *Fermi surface*
    - *Creep*
    - *Fatigue*
    - *Shock loading*
    - *Crystals*
        - *Vacancies*
    - *Chemistry*
    - *Corrosion*
        - *Pitting*

- Technical processes
    - *Production*
    - *Manufactures*
        - *Casting*
            - *Die casting*
        - *Extrusion*
        - *Joining*
            - *Welding*
        - *Finishing*
            - *Anodising*
            - *Coating*
                - *Coatings*
- Kinds of aluminium
    - *Molten*
    - *Plastically deformed*
    - *Quenched*
    - *Reinforced*
- Aluminium products
    - *Castings*
    - *Forgings*
- Fields of application
    - *Building materials*
- *Alloys*

ALUMINIUM, Acid soluble : Determination : Mild steel. See STEEL, Mild : Determination of aluminium, Acid soluble

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- CYSTEINE
- GLUTATHIONE
- GLYCINE
- HYDROXYPROLINE
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- LYSINOALANINE
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AROMATIC COMPOUNDS
Related Headings:
ACETYLTYROSINE ETHYL ESTER
ALKYLARYL SULPHONATES
AMINOAZOCROTOANILIDES
ANILINE
ANISOLE
ANTHRACENE
ANTHRAQUINONE
ANTHRONE
APOCYNINE

AROMATIC COMPOUNDS
Related Headings–*cont.*
AROYL PROPIONIC ACIDS
ARYLSULPHENYL HALIDES
AZOACETOACETANILIDES
AZOXYBENZENE
BATHOPHENANTHROLINE
BENZENE
BENZENE PHOSPHORUS OXYDICHLORIDE
BENZIL
BENZOIC ACID
BENZOIN
BENZONITRILE
BENZOYL PEROXIDE
N-BENZOYL-*o*-TOLYLHYDROXYLAMINE
BENZYL CHLORIDE
BENZYL GROUPS
CAFFEATES
CAFFEIC ACID
CARBAMINOTHIOGLYCOLLIC ACID ANILIDE
CHLOROBENZENE
CHLOROBENZENES
CHLOROGENIC ACID
p-CHLORONITROBENZENE
o-CHLOROPHENOL
CHLOROTOLUENE
CINNAMIC ALDEHYDE
p-CRESOL
CURCUMIN
CYCLOHEXYLAMINE *o*-NITROPHENOLATE
N-DIALKYLAMINOALKYLNAPHTHALENE-1,4-DIAMINES
DICARBOXYALKYLBENZENES
DICUMYL PEROXIDE
2,4-DIHYDROXYBUTYROPHENONE
16,17-DIMETHOXYDIBENZANTHRONE
4,5-DIMETHYLANTHRANILIC ACID
DIMETHYL, 6-*t*-BUTYLPHENOL
3,3-DIMETHYLNAPHTHIDINE
N,*N*-DIMETHYL-*p*-PHENYLENEDIAMINE
DIMETHYL PHTHALATE
DINITRODIPHENYLAMINES
DINITROPHENOLS
DIPHENYLAMINE
9,10-DIPHENYLANTHRACENE
DIPHENYLCARBAZIDE
DITHIZONE
DIVINYLBENZENE
DODECYLBENZENESULPHONATES
ETHYLBENZENE
FERULATES
9-FLUORENYLTRIPHENYLPHOSPHONIUM BROMIDE
FLUOROARYLLITHIUM COMPOUNDS
FLUOROARYLMERCURY COMPOUNDS
FLUORODIPHENYL ETHERS
HYDROBENZOIN
HYDROCARBONS, Aromatic
HYDROQUINONE
p-HYDROXYBENZYL ISOTHIOCYANATE
KHUSINOL
4-METHYL-2, 5-DIMETHOXY-*alpha*-METHYL-PHENETHYLAMINE
NAPHTHACENE
NAPHTHALENE
NINHYDRIN
NITRO-COMPOUNDS, Aromatic
N-NITROSOACETANILIDE
PENTACHLOROPHENOL
PERBENZOIC ACID
PERYLENE
PHENANTHRENE
o-PHENANTHROLINE

AROMATIC COMPOUNDS
Related Headings—*cont.*
PHENOL
PHENOLS
PHENYLACETYLENE
p-PHENYLENEDIAMINES
PHENYLHYDRAZONES
PHENYL-*beta*-NAPHTHYLAMINE
PHENYLPHOSPHORUS COMPOUNDS
PHENYLTHIOUREA
PYRENE
QUINIC ACID
QUINONES
RUBRENE
SODIUM SALICYLATE
STYRENE
TETRAHYDRONAPHTHALENE
TETRAMETHYLTETRAPHENYLTRISILOXANE
TETRAPHENYLBORATES
THIOSALICYLIC ACID
TIN PHENOLSULPHONIC ACID COMPLEXES
TITANIUM 1,2-BISDIMETHYLARSINOETHYLENE
TOLUENE
TOLUENE DIISOCYANATE
TRIARYL PHOSPHATES
TRIPHENYLTIN HYDROXIDE
VANILLIN
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o-XYLENE
p-XYLENE
ZINC DIBENZYLDITHIOCARBAMATE

AROMATIC COMPOUNDS : Bitumen. See BITUMEN : Aromatic compounds

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ARRAYS : Beam aerials. See AERIALS, Beam : Arrays

ARRAYS, End fire : Sound projectors : Echo ranging. See ECHO RANGING : Sound projectors : Arrays, End fire

ARRAYS : Receivers : Echo ranging. See ECHO RANGING : Receivers : Arrays

ARRAYS, Ring : Aerials : Receivers : H.F. communications : Radio. See RADIO : Communications, H.F. : Receivers : Aerials : Arrays, Ring

ARRAYS, Strip line fed : Aerials : Secondary radar : Traffic control : Air transport. See AIR TRANSPORT : Traffic control : Radar, Secondary : Aerials : Arrays, Strip line fed

ARRAYS, Superdirective : Receivers : Echo ranging. See ECHO RANGING : Receivers : Arrays, Superdirective

ARRESTED ABSORPTION : Density measurement : Refractories. See REFRACTORIES : Density : Measurement : Absorption, Arrested

ARRESTER GEAR : Helicopter carrying warships. See WARSHIPS, Helicopter carrying : Arrester gear

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ARTIFICIAL SATELLITES : Density calculations : Upper atmosphere. See ATMOSPHERE, Upper : Density : Calculations : Satellites, Artificial

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ASH : Bones. See BONES : Ash

ASH : Coal. See COAL : Ash

ASH : Content : Effect on spontaneous ignition : Coal dust–Air–Methane. See COAL : Dust–Air–Methane : Ignition, Spontaneous : Effect of ash content

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ASSEMBLY

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ASSEMBLY : Bodies : Motor cars. See MOTOR CARS : Bodies : Assembly

ASSEMBLY : Carriers : Differentials : Transmissions : Motor cars. See MOTOR CARS : Transmissions : Differentials : Carriers : Assembly

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ASSEMBLY : Dry batteries. See BATTERIES, Dry : Assembly

ASSEMBLY : Electrical sockets. See SOCKETS, Electrical : Assembly

ASSEMBLY : Electron guns : Tubes : Receivers : Television. See TELEVISION : Receivers : Tubes : Electron guns : Assembly

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ASSEMBLY : Rolling bearings. See BEARING, Rolling : Assembly

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Research

Vehicles
Transporters

Flights
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BACK SCATTER : Ionosphere : Transmission : Radio. See RADIO : Transmission : Ionosphere : Back scatter
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BACKING COMPOUNDS; Latex : Tufted carpets. See CARPETS, Tufted : Backing compounds; Latex
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- BACTERIOSTATS
- BRUCELLA
- CLOSTRIDIUM
- CLOSTRIDIUM TETANI
- CLOSTRIDIUM WELCHII
- COLIFORM ORGANISMS
- ESCHERICHIA COLI
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BAGASSE; Domestic tables. See TABLES, Domestic; Bagasse
BAGASSE : Sugar cane : Papermaking. See PAPERMAKING : Bagasse
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BAGGED LOADS : Commercial vehicles. See VEHICLES, Commercial : Loads, Bagged
BAGS : Anodes : Nickel : Electroplating. See ELECTROPLATING : Nickel : Anodes : Bags
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- BREAD
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BOARDS : Printed electronic circuits. See CIRCUITS, Electronic,, Printed : Boards

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West Country: look at the South West, its craft and its havens. Motor Boat, 109 (26 Jul 68) p.49-51. il.

BOATS
Related Headings:
DINGHIES

BOATS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Hydrodynamics
  Stability

Technical operations
  Building
  Maintenance
  Transport

Materials
  Plastics

Components
  Decks
  Hulls
  Propulsion system
    Water-jet propulsion
  Services
    Heating

Kinds of boats
  Motor
  Steam
  Catamaran
  Trimaran
  Inflatable

Ancillaries
  Moorings

BOATS : Building
With heart and soul for our fatherland. J. Nicholls. Motor Boat, 109 (4 Oct 68) p.18-21. il.

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Cure those leaks: waterproof and strengthen your decks with a layer of glass reinforced plastic. K. Phelan. Motor Boat, 108 (8 Mar 68) p.85-6. il.

BOATS, Fishing. See FISHING : Vessels

BOATS : Heating : Equipment
Cosy glow below. D. Wright. Motor Boat, 109 (18 Oct 68) p.42-5. il.

BOATS : Hulls : Coating
Fitting out: painting. S. Grigson. Motor Boat, 108 (8 Mar 68) p.82-4. il.

BOATS : Hulls : Model tests : Tanks
Do your own tank tests. J. Teale. Motor Boat, 109 (23 Aug 68) p.34-7. il.

BOATS, Inflatable
Hard-cored inflatables. D.J. Hoare. Motor Boat, 107 (15 Dec 67) p.30-2. il.

BOATS : Maintenance
Fitting out. D. Still. Motor Boat, 108 (8 Mar 68) p.70-2. il.

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Wanted: a mooring. A. McCullen. Motor Boat, 108 (26 Jan 68) p.18-24. il.

BOATS, Motor
Coronet 24: boat report. Motor Boat, 109 (20 Sep 68) p.45-7. il.
Elysian 27: boat report. Motor Boat, 108 (28 Jun 68) p.57-9. il.
High speed design with many variations. Ship & Boat, 21 (Jun 68) p.48-9. il.
Marina G.T. 16. Motor Boat, 108 (9 Feb 68) p.57-9. il.
Micro-Plus V-16 boat report. Motor Boat, 107 (29 Dec 67) p.193-5. il.
Motorists afloat. J. Nicholls. Motor (17 Apr 68) p.1+. il.
'North Star': boat report. Motor Boat, 108 (5 Apr 68) p.83-5. il.
Royal Cruiser III: boat report. Motor Boat, 109 (23 Aug 68) p.47-9. il.
Sea boat ski boat. J. Teale. Motor Boat, 109 (1 Nov 68) p.66-7. il.
Sea Fisherman: boat report. Motor Boat, 109 (15 Nov 68) p.43-5. il.
Sea Truck: boat report. Motor Boat, 108 (14 Jun 68) p.63-5. il.
Seamaster 27: boat report. Motor Boat, 109 (18 Oct 68) p.51-3. il.
Small cruisers : sail and power. Motor Boat, 108 (5 Apr 68) p.64-9. il.
Small cruisers: types. Motor Boat, 108 (5 Apr 68) p.70+
32 litre Levi. R.S. Levi. Motor Boat, 109 (4 Oct 68) p.32-3. il.
Whys and wherefores of runabouts. J. Teale. Motor Boat, 108 (9 Feb 68) p.50-3. il.

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Buckingham 41: boat report. Motor Boat, 108 (31 May 68) p.65-7.

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Cruising cat. R. Levi. Motor Boat, 108 (23 Feb 68) p.40-1. il.
Just for the fun of it—let's dream a little. Ship & Boat, 21 (Jan 68) p.36-7. il. refs.

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Designing owner. Ship & Boat, 21 (Apr 68) p.19

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What the scrutineer saw. B. Maloney. Motor Boat, 108 (23 Feb 68) p.26-9. il.

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BOATS, Motor : Supply vessels : Platforms : Off shore drilling : Petroleum. See PETROLEUM : Drilling, Off shore : Platforms : Supply vessels : Motor boats

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On an even keel. J. Teale. Motor Boat, 108 (5 Apr 68) p.54-6

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Much enjoyed steamboat ['Crest'] A.W. Giles. Light Steam Power, 17 (Mar/Apr 68) p.77-80. il.

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You can sail in S.Y. "Cresset". Light Steam Power, 17 (May/Jun 68) p.108-14. il.

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"Berth to berth" haulage. J. Darker. Commercial Motor, 126 (12 Jan 68) p.54-6. il.

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First successful rigid sail yacht is launched ["Planesail"] Engng. Designer (Aug 68) p.10-12. il.

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Trifle– a glass fibre sandwich. R.H. Farrant. Motor Boat, 109 (1 Nov 68) p.44-5. il.

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BODIES : Military motor vehicles. See MOTOR VEHICLES, Military : Bodies

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Tow line assembly track relies on castor mounted trolleys [Rootes Motors Ltd.] Mass Production, 44 (May 68) p.23-4. il.

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Progress in body-corrosion resistance? Automotive Design Engng., 7 (May 68) p.47-9. il.

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Sub-frame and final drive mountings. Automobile Engr., 58 (Jan 68) p.22-6. il.

BODIES (Motor vehicles) Paint : Spraying : Equipment
Refinishing of vehicles [Lutro vehicle re-spray plant marketed by Controlled Heat and Air Ltd.] Metal Finishing J., 13 (Nov 67) p.368

BODIES (Motor vehicles) Paint : Tests
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BODMIN
See
TOWN PLANNING.. Bodmin

BODY CENTRED CUBIC IRON. See IRON, Body centred cubic

BODY CENTRED CUBIC METALS. See METALS, Body centred cubic

BODY-WING INTERFERENCE : Supersonic aircraft. See AIRCRAFT, Supersonic : Body-Wing interference

BOEHMITE. See ALUMINIUM HYDROXIDE

BOEING 727 AIRCRAFT. See AIRCRAFT, Types, Boeing 727

BOEING 737 AIRCRAFT. See AIRCRAFT, Types, Boeing 737

BOEING 747 AIRCRAFT. See AIRCRAFT, Types, Boeing 747

BOGIES : Diesel locomotives. See LOCOMOTIVES, Diesel : Bogies

BOGIES : Electric trains. See TRAINS, Electric : Bogies

BOGIES : Passenger rolling stock. See ROLLING STOCK, Passenger : Bogies

BOGIES : Tramcars
Modern bogies—how they work, pt.1. G. Wheat. Modern Tramway, 31 (Jan 68) p.2-5. il. refs.
Modern bogies—how they work, pt.2. G. Wheat. Modern Tramway, 31 (Feb 68) p.38-43. il. refs.

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See
TOWN PLANNING.. Bognor Regis

BOILABLE POLYTHENE BAGS : Packaging : Frozen food : Tankers : Ships. See TANKERS : Ships : Food, Frozen : Packaging : Bags; Polythene,, Boilable

BOILER HOUSES : Fires : Prevention
Boiler room fire protection: with particular reference to oil-fired installations. L.R. Leworthy. Works Engng. & Factory Services, 63 (Jun 68) p.6-10. il. refs.

BOILERS
What boiler? Water-tube or shell? B.C. Leavett. Works Engng. & Factory Services, 63 (Oct 68) p.52-5. il.
What have a Bradford factory, a Leeds hospital and an Essex factory in common? Engng. & Boiler House Rev., 83 (Jan 68) p.22-3. il.

BOILERS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Insurance*

- Problems
  - *Safety*
  - *Heat loss*
  - *Corrosion*

- Technical activities
  - *Manufactures*
    - *Welding*
    - *Testing*

- *Operation*
  - *Efficiency*
  - *Firing*
  - *Blowdown*

- Operating materials
  - *Feedwater*
  - Fuels
    - *Coal*

- Structural materials
  - *Steel*
  - *Steel–Manganese*

- Parts & Ancillaries
  - *Plates*
  - *Furnaces*
    - *Burners*
  - *Tubes*
  - *Chimneys*
  - *Control systems*
  - Instruments
    - *Pressure gauges*

- Kinds by fuel
  - *Coal fired*
  - *Oil fired*
  - *Gas fired*
  - *Electric*
- Kinds by structure
  - *Packaged*
  - *Sectional*
  - *Fire tube*
    - *Economic*
  - *Water tube*

- Applications
  - *Power stations*
    - *Nuclear power stations*
  - *Ships*
    - *Warships*
  - *Dyehouses*

BOILERS : Blowdown : Control systems

Automatic boiler blowdown system minimises water loss and economises on labour [Gestra (U.K.) Ltd, Croydon] Works Engng. & Factory Services, 63 (Sep 68) p.12. il.

Effective blowdown stops damage [Gestra (UK) Ltd equipment] Engng. & Boiler House Rev., 83 (Mar 68) p.89-90. il.

BOILERS : Buildings : Aircraft research. See AIRCRAFT : Research : Buildings : Boilers

BOILERS : Burners : Testing

Research and development at Vosper Thornycroft's Oil Burner Division. Steam & Heating Engr., 38 (Nov 68) p.38-40. il.

BOILERS : Chimneys

Choosing a chimney. Oil & Gas Firing, 3 (Oct 68) p.18-20. il.

BOILERS : Chimneys; Steel : Insulation, Thermal

Insulated steel chimneys: their development for industrial use. D. Munn. Works Engng. & Factory Services, 63 (Nov 68) p.60-1. il.

BOILERS : Coal

Coal for boiler firing. E. Ingham. Dyer, Textile Printer, Bleacher & Finisher, 140 (4 Oct 68) p.489+

BOILERS, Coal fired : Air pollution. See AIR POLLUTION : Boilers, Coal fired

BOILERS, Coal fired : Brewing. See BREWING : Boilers, Coal fired

BOILERS, Coal fired : Corrosion, Fireside : Sulphur trioxide : Pressure, Equilibrium

Equilibrium SO_3 pressures of inner layers of fireside deposits from coal-fired boilers. C.H. Anderson & C.W. Goddard. J. of Inst. of Fuel, 41 (Sep 68) p.357-64. il. refs.

BOILERS, Coal fired : Furnaces : Fluidised beds : Heat transfer

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New industrial boiler installations in Germany. L.J. Lawrence & G.G. Thurlow. Brit. Coal Utilisation Research Ass. Monthly Bull., 32 (Jan 68) p.1-11. il. refs.

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BOILERS, Coal fired : Heating : Hospitals. See HOSPITALS : Heating : Boilers, Coal fired

BOILERS, Coal fired : Heating : Houses. See HOUSES : Heating : Boilers, Coal fired

BOILERS, Coal fired : Research

BCURA boiler research projects [British Coal Utilisation Research Association] J. of Fuel & Heat Technology, 15 (Jul 68) p.28-30

BOILERS, Coal fired : Steam supplies : Plastics manufactures. See PLASTICS : Manufactures : Steam supplies : Boilers, Coal fired

BOILERS, Coal fired : Stoking, Mechanical

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BOILERS, Coal fired : Stoking, Mechanical : Equipment

Self-cleaning automatic underfeed stoker [Calorpac] Works Engng. & Factory Services, 63 (Oct 68) p.34+. il.

BOILERS, Coal fired : Textile manufactures. See TEXTILES : Manufactures : Boilers, Coal fired

BOILERS : Coal fired heating : Government buildings. See GOVERNMENT BUILDINGS : Heating, Coal fired : Boilers

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Control of industrial boiler plant. S.E. Hopkins. Engng. & Boiler House Rev., 83 (Apr 68) p.137+. il.

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Note on boiler stability. W.K. Roots & Cheng-Meng Wu. J. of Inst. of Fuel, 41 (Feb 68) p.91-3. il. refs.

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Phase studies on the system $Na_2SO_4-SO_3$, $K_2SO_4-SO_3$ and $Na_2SO_4-K_2SO_4-SO_3$. A.W. Coats, D.J.A. Dear & D. Penfold. J. of Inst. of Fuel, 41 (Mar 68) p.129-32. il. refs.

BOILERS : Corrosion : Potassium sulphate—Sodium sulphate —Sulphur trioxide : Phase relationships

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BOILERS, Economic : Burners, Dual fuel

Gas priority for versatile industrial boiler [Gasthermax: Ruston & Hornsby, Lincoln] Industrial Gas., 54 (Feb 68) p.25-6

Gasthermax introduced by Rustons. Engng. & Boiler House Rev., 83 (Jan 68) p.25. il.

Gas-fired economic boiler with dual fuel burner for alternative oil firing [Gasthermax: Ruston & Hornsby Ltd.] Works Engng. & Factory Services, 63 (Jan 68) p.43-4. il.

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BOILERS, Electric

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BOILERS : Engines : Steam. See STEAM : Engines : Boilers

BOILERS : Feedwater

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Low-cost feed water de-aerator and heater [Weir 00] Works Engng. & Factory Services, 63 (Mar 68) p.37. il.

BOILERS : Feedwater : Determination of oxygen
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Choosing a boiler feed-pump. Works Engng. & Factory Services, 63 (Jul 68) p.58-61. il.

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On-load cleaning of shell boilers. S. Brook. Works Engng. & Factory Services, 63 (Feb 68) p.21-2. il.

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Atomisation of fuel oil. Works Engng. & Factory Services, 62 (Dec 67) p.39-42. il.

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BOILERS, Fire tube ,, Wet back
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BOILERS : Furnaces, Cyclone ,, Wood waste fired
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BOILERS : Gas fired heating : Office buildings. See OFFICE BUILDINGS : Heating, Gas fired : Boilers

BOILERS : Gas fired heating : University buildings. See UNIVERSITY BUILDINGS : Heating, Gas fired : Boilers

BOILERS : Gas fired heating : Water. See WATER : Heating, Gas fired : Boilers

BOILERS : Gas fired heating : Water : Housing. See HOUSING : Water : Heating, Gas fired : Boilers

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Dungeness B: boiler conflict. Engineering, 206 (13 Sep 68) p.392-3. il.

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BREAKDOWN, Avalanche : p-n junctions : Semiconductors : Silicon. See SILICON : Semiconductors : p-n junctions : Breakdown, Avalanche

BREAKDOWN, Avalanche : Silicon; Diodes. See DIODES; Silicon : Breakdown, Avalanche

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BREAKDOWN : Nickel; Parallel plates : Electrodes : Gaps : Vacuum. See VACUUM : Gaps : Electrodes : Plates, Parallel; Nickel : Breakdown

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BRIDGES
Related Headings:
- FLYOVERS
- ROADS, Elevated

BRIDGES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Particular localities
  - Great Britain
    - *Cheshire*
    - *Wales*
      - *Cardiff*

- Problems
  - *Failure*
  - *Vibrations*

- Technical operations
  - *Construction*
    - *Composite construction*
  - *Rebuilding*
  - *Widening*

- Components
  - *Beams*
  - *Girders*
  - *Slabs*
  - *Decks*
  - *Joints*
  - *Bearings*
  - *Piles*
  - *Abutments*

- Kinds of bridge by material
  - *Concrete*
  - *Stone*
  - *Brick*
  - *Steel*
- Kinds of bridge by form
  - *Arch*
  - *Suspension*
  - *Girder*
  - *Skew*
  - *Bascule*
  - *Bailey*
  - *Two tier*

- Kinds of bridge by function
  - *Motorways*
  - *Foot*
  - *Railways*
  - *University buildings*
  - *Sewers*

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Epoxy-jointed prestressed concrete bridges. Surveyor, 132 (21 Sep 68) p.35-7. il.

BRIDGES : Beams; Concrete,, Segmental : Adhesives; Epoxy resins

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Rawcliffe bridge in the West Riding. Concrete, 2 (Jun 68) p.232-3. il.

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See

METALS : Mining .. Broken Hill

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BROMIDES : Inhibitors : Sulphuric acid solution corrosion : Nickel. See NICKEL : Corrosion : Sulphuric acid solutions : Inhibitors : Bromides

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BRONZE; Bearings. See BEARINGS; Bronze

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BUBBLES : Inert gases : Supersaturated solids. See SOLIDS, Supersaturated : Inert gases : Bubbles

BUBBLES : Melting : Glass. See GLASS : Melting : Bubbles

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BUBBLES : Subcooled boiling. See BOILING, Subcooled : Bubbles

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BUCKLED AIR INFLATED STRUTS : Flying units : Hovercraft. See HOVERCRAFT : Flying units : Struts, Air inflated,, Buckled

BUCKLES; Acetal resins copolymers : Safety belts : Motor vehicles. See MOTOR VEHICLES : Safety belts : Buckles; Acetal resins copolymers

BUCKLING : Blades : Bandsaws. See BANDSAWS : Blades : Buckling

BUCKLING : Cold rolling : Metals; Strips. See STRIPS; Metals : Rolling, Cold : Buckling

BUCKLING : Corrugated sheets. See SHEETS, Corrugated : Buckling

BUCKLING : Drives : Belts. See BELTS : Drives : Buckling

BUCKLING, Elastic : Beams. See BEAMS : Buckling, Elastic

BUCKLING, Elastic : Grillages : Ships. See SHIPS : Grillages : Buckling, Elastic

BUCKLING, Elastic : Plates. See PLATES : Buckling, Elastic

BUCKLING, Elastic : Shells. See SHELLS : Buckling, Elastic

BUCKLING : Hyperbolic cooling towers. See COOLING TOWERS, Hyperbolic : Buckling

BUCKLING : Laterally restrained steel strips. See STRIPS; Steel,, Laterally restrained : Buckling

BUCKLING : Metals; Pipes. See PIPES; Metals : Buckling

BUCKLING, Non-linear : Spherical shells. See SHELLS, Spherical : Buckling, Non-linear

BUCKLING : Polygonal pipes. See PIPES, Polygonal : Buckling

BUCKLING : Reinforced concrete; Columns. See COLUMNS; Concrete, Reinforced : Buckling

BUCKLING : Ring reinforced cylinders. See CYLINDERS, Ring reinforced : Buckling

BUCKLING : Spontaneous fission : Uranium; Fuels : Subcritical assemblies. See SUB-CRITICAL ASSEMBLIES : Fuels; Uranium : Spontaneous fission : Buckling

BUCKLING : Stiffened panels. See PANELS, Stiffened : Buckling

BUCKLING : Structures. See STRUCTURES : Buckling

BUCKLING : Z-section stringers : Stiffened plates. See PLATES, Stiffened : Stringers, Z-section : Buckling

BUDAPEST
See
TOWN PLANNING.. Budapest

BUFFALO MILITARY TRANSPORT AIRCRAFT. See AIRCRAFT, Military transport, Types, De Havilland Canada Buffalo

BUFFER AMPLIFIERS. See AMPLIFIERS,

BUFFER STORAGE UNITS : Queue theory : Scheduling : Production management. See PRODUCTION : Management : Scheduling : Queue theory : Buffer storage units

BUFFET CARS : Passenger rolling stock. See ROLLING STOCK, Passenger : Buffet cars

BUFFING : Metals. See METALS : Buffing

BUILDER–ARCHITECT RELATIONSHIPS. See ARCHITECT–BUILDER RELATIONSHIPS

BUILDER–ENGINEER–ARCHITECT RELATIONSHIPS. See ARCHITECT–BUILDER–ENGINEER RELATIONSHIPS

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BUILDING

Related Headings :

- AIR CONDITIONING
- ALUMINIUM : Building materials
- ARCHITECTURE
- ASBESTOS–CEMENT : Building materials
- ASBESTOS–SILICA, Autoclaved,, Extruded : Building materials
- AWNINGS
- BALCONIES
- BATHROOMS
- BEDROOMS
- BRICKLAYING
- BUILDINGS
- CANOPIES
- CEILINGS
- CLOAKROOMS
- CONCRETE, Aerated : Building materials
- CONCRETE, Lightweight : Building materials
- CONCRETE, Vitreous aggregate : Building materials
- COPPER : Building materials
- CORRIDORS
- CRANES, Tower : Building plant
- DAMP-PROOFING
- DINING ROOMS
- DOMES
- DOORS
- FIBRE BOARD : Building materials
- FLOORS
- GLASS : Building materials
- HOISTING EQUIPMENT : Building plant
- HOUSING
- JOINERY
- KITCHENS
- LAVATORIES
- LOUVRES
- MARBLE : Building materials
- MASONRY
- MASTIC : Building materials
- MEZZANINES
- PARTITIONS
- PLASTER
- PLASTICS : Building materials
- PLUMBING
- PLYWOOD : Building materials
- PLYWOOD, Stressed skin : Building materials
- POLYESTER–GLASS FIBRE : Building materials
- POLYURETHANE, Expanded,, Rigid : Building materials
- POLYURETHANE, Expanded,, Rigid,, Flame resistant : Building materials
- QUANTITY SURVEYING

BUILDING

Related Headings–*cont.*

- ROOFLIGHTS
- ROOFS
- ROOMS
- SCAFFOLDING
- SEALANTS : Building materials
- SEALANTS, Rubberised : Building materials
- SILICONES : Building materials
- SKIRTINGS
- STAIRCASES
- STEEL : Building materials
- STEEL, Stainless : Building materials
- STONE, Portland
- STRUCTURES
- STUDY BEDROOMS
- VENTILATION
- WINDOWS
- WOOD : Building materials
- ZINC : Building materials

"BUILDING"

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BUILDING–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Periodicals

Regulations

Profession
Consultants
  Technologists
Technicians

Consortia

Patents

Technical information
Technical literature
Bibliographies

Terminology

Classification systems

Education

Research

Costs
  Estimating
  Bill of quantities

Contracts
  Sub-contracting

Problems
  Industrial safety
    Accidents
  Weather protection

Sites

Equipment
  Computers
  Ladders

BUILDING–SUBHEADINGS–Synopsis–cont.
- *Protective clothing*

- Technical operations
  - *Planning*
  - *Operational research*
  - *Programming*
  - *Critical path analysis*
  - *Work study*
    - *Activity sampling*

  - *Site organisation*
  - *Communications*
  - *Inspection*

- *Materials*
  - *Stone*
- Components
  - *Blocks*

- Building under special conditions
  - *Winter*

BUILDING : Accidents
Accidents on construction sites. Building, 215 (27 Sep 68) p.126

BUILDING : Activity sampling
Activity sampling in building. N. Pearson. Building, 215 (15 Nov 68) p.182+

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Element design guide building enclosure [Ba4: (2)] Selective bibliography. Architects' J., 146 (27 Dec 67) p.1667-70
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BUILDING : Bills of quantities
Contribution of estimating. F.H. Sullivan. Building Technology & Management, 6 (Jan 68) p.8-9

BUILDING : Bills of quantities : Computers
Experience with computerised bills of quantities. C. Nott, D. Burgess, J.T. Budgen & J.N.F. Turner. Building Technology & Management, 6 (Jan 68) p.19-20
Use of computers in the preparation of bills of quantities. S.P. Simcocks. J. of Instn. of Municipal Engrs., 95 (Oct 68) p.299-300

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BUILDING : Blocks; Concrete
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BUILDING : Blocks, Hollow ; Plastics ,, Concrete filled
High-speed building with plastic bricks. Architect & Building News, 233 (3 Apr 68) p.538-9. il.

BUILDING : Blocks, Interlocking
Diamond-sawn interlocking blocks. K. Steinmetz. Brit. Clayworker, 76 (Dec 67) p.554+. il.

BUILDING : Blocks, Interlocking : Manufactures : Tools; Diamond
Diamond tools open up new possibilities for the building industry. K. Steinmetz. Industrial Diamond Rev., 28 (Feb 68) p.56-60. il.
Diamond tools: open up new possibilities for the building industry. K. Steinmetz. Mass Production, 44 (Apr 68) p.37-41. il.

BUILDING : Blocks : Laying : Work study
Production experiments in brick and block laying. J.F. Nuttall. Work Study, 17 (Mar 68) p.9-20. il. refs.

BUILDING : Classification systems
CBC progress. Pt.2: developments affecting the manual use of CBC. B. Bindslev. Architects' J., 147 (31 Jan 68) p.285+. il.
CI/SfB: supporting publications. R. Inst. of Brit. Architects J., 75 (Sep 68) p.434-5
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Why is the construction index needed? R. Inst. of Brit. Architects J., 75 (Sep 68) p.433

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CBC progress: present situation. Architects' J., 147 (24 Jan 68) p.212+
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GLC and CBC and then? Building, 214 (9 Feb 68) p.101-2

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How to manage the computer, pt.1. S. Murray. Building, 214 (17 May 68) p.139
Living with the computer [John McLean & Sons Ltd.] C.N. C.N. Gower & J. Greenberg. Building Technology & Management, 6 (Jan 68) p.13-15

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Computer education. S. Murray. Building, 215 (27 Sep 68) p.159+

BUILDING : Computers : Programs
Computers: programs. R. Inst. of Brit. Architects J., 75 (Apr 68) p.187-8

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Advisory Service for the building industry 1954-1968/9. E. Wilde. Building Technology & Management, 6 (Oct 68) p.255-6

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How expensive is the cut-price tender? a contractor's view. J.M. Gillham. Industrialised Building, 5 (Jul 68) p.9-10
How expensive is the cut-price tender? a quantity surveyor's view. J.B. Cannell. Industrialised Building, 5 (Jul 68) p.7-9. il.
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Computer development in West Sussex. Pt.1: why computers? why change? A. Ray-Jones. Architects' J., 147 (21 Feb 68) p.421+. il.
Network analysis using a computer bureau. L. Tatham. National Builder, 49 (May 68) p.273-4

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BUILDING : Contracts : Packaged deals

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Merchants geared to keep building costs down. W.J. Britton. Industrialised Building, 5 (Sep 68) p.47-9. il.

Planning maintenance and production costs. D. Barnsley. Industrialised Building, 5 (Jul 68) p.46-7. il.

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BUILDING : Critical path analysis

Monitoring project progress with CPM. E.G. Prentzas. Surveyor, 131 (27 Jan 68) p.27-8. il. refs.

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Construction Industry Training Board progress report. Sir Norman Longley. Building Technology & Management, 5 (Dec 67) p.3-4

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Joint education. Building, 214 (5 Apr 68) p.127-8

Joint education in building. R.M.D. Lithgow. Building Technology & Management, 6 (Aug 68) p.199-200. refs.

Teaching building science. D. Harper. Building, 214 (28 Jun 68) p.65-6

Training for productivity (summary) P. Trench. Building, 215 (15 Nov 68) p.177-8

Training for responsibility (summary) D. Bishop. Building, 215 (15 Nov 68) p.178+

Where have all the teachers gone? —to C.I.T.B. every one. T. Marsh. Master Builders' J., 13 (Sep 68) p.26

BUILDING : Education : Examinations

(Examinations) R.T. Wilkins. Building Technology & Management, 6 (Apr 68) p.98-9

BUILDING : Education, Management

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BUILDING : Education, Management .. U.S.A.

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BUILDING : Equipment

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Construction plant in building. Pt.3: plant utilization. P.R.N. Kilby. Building Technology & Management, 6 (Apr 68) p.93

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Plant for the smaller site, pt.1. W. Morse. National Builder, 49 (Nov 68) p.692+. il.

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BUILDING : Equipment : Maintenance

Maintenance workshop organisation in the construction industry. B.G. Robson. Plant Engr., 12 (Sep 68) p.671-9. il.

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Construction industry is a noisy neighbour. J.H.A. Crockett & D.B. O'Neill. Civil Engng. & Public Works Rev., 63 (Jul 68) p.777. il.

BUILDING : Equipment : Paint : Spraying, Electrostatic

New shot blasting and industrial finishing plant [British Building & Engineering Appliances Ltd., Sandy, Beds.] Mass Production, 43 (Dec 67) p.57-9. il.

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Building cost estimation. S.M. Nazem. Building, 213 (8 Dec 67) p.135+

Estimating and tendering: architect's views (extracts) A.B. Waters. Building, 215 (6 Sep 68) p.97-8

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Accidents in construction [Summary of "Accidents in the construction Industry"] Building, 213 (29 Dec 67) p.33

Accidents in the building and construction industries. J. May. Instn. of Municipal Engrs. J., 95 (Jan 68) p.25-6. il.

Construction safety: management's responsibility underlined. Contract J., 225 (26 Sep 68) p.377-8

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Supervision of safe conduct of work. W. Batty-Smith. Building, 215 (13 Sep 68) p.140

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Builders and their businesses. Pt.1 : E.S. Gates Ltd. of Amersham. Building, 215 (20 Sep 68) p.147+. il.
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BUILDINGS

Related Headings:

- ART GALLERIES
- BOILER HOUSES
- CASTLES
- CLUB HOUSES
- COMMERCIAL BUILDINGS
- COMPUTERS : Buildings
- CULTURAL CENTRES

BUILDING

Related Headings–cont.

- EDUCATIONAL BUILDINGS
- ENTERTAINMENT BUILDINGS
- EXHIBITION BUILDINGS
- FARM BUILDINGS
- FUNERARY BUILDINGS
- GOVERNMENT BUILDINGS
- HALLS
- HORTICULTURAL BUILDINGS
- INDUSTRIAL BUILDINGS
- LAW COURTS
- MEDICAL BUILDINGS
- MILITARY BUILDINGS
- MUSEUMS
- PLANETARIA
- PRISONS
- PUBLIC BUILDINGS
- PUBLIC SERVICE BUILDINGS
- RECREATION CENTRES
- REFRESHMENT BUILDINGS
- RELIGIOUS BUILDINGS
- RESIDENTIAL BUILDINGS
- ROTUNDAS
- SCIENTIFIC BUILDINGS
- SOCIETIES' BUILDINGS
- SOLARIUMS
- SPORTS BUILDINGS
- STORAGE BUILDINGS
- TELEPHONY : Buildings
- TELEPHONY : Exchanges : Buildings
- TELEVISION BUILDINGS
- TOLL GATES
- TOWERS
- TRANSPORT : Buildings
- WATER : Towers
- YOUTH CLUBS : Buildings

BUILDINGS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following

- Particular countries
  - *Japan*

- Problems
  - *Failure*
  - *Deterioration*
  - *Fires*
  - *Frost damage*

- Properties
  - *Internal circulation*
  - *Acoustics*
    - *Noise*
  - *Vibrations*

- Technical activities
  - *Town planning*
    - *Spacing*
  - *Measurements*
    - *Dimensions*
  - *Surveying*
  - *Maintenance*
  - *Preservation*
  - *Repair*
    - *Restoration*
  - *Demolition*
  - *Cleaning*
  - *Insulation*
    - *Insulating materials*
    - *Thermal design*

BUILDINGS–SUBHEADINGS–Synopsis–cont.

  - *Waterproofing*
  - Coating
    - *Coatings*
  - *Decoration*
    - *Painting*
      - *Paint*
- *Protection*
  - *Lettering*
  - *Photography*

- Parts
  - *Components*
  - *Frames*
  - *Panels*
  - *Sheets*
  - *Joints*
  - *Foundations*
  - *Walls*
  - *Vibration isolators*
  - *Cladding*
  - *Rooms*
  - *Partitions*
  - *Basements*
  - *Fittings*
  - *Fixing devices*

- Services
  - *Engineering services*
    - *Heating*
    - *Lighting*
      - *Floodlighting*
  - *Water*

- Kinds
  - *Tall*
  - *Curved*
  - *Pontoon mounted*

  - *Wood*
  - *Half timbered*
  - *Concrete*
  - *Composite construction*

  - *Prefabricated*

  - *Earthquake resistant*
  - *Demountable*

- Buildings for special occupants
  - *Disabled persons*

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BUSES
Related Headings:
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BUSES–SUBHEADINGS–Synopsis
This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Buyers' guides

Specifications

Properties
  Power to weight ratio

Technical activities
  Standardisation
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Performance
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Kinds
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Transport
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  Traffic engineering
  Fares

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- FLUOROCARBOHYDRATES
- POLYSACCHARIDES
- SUGARS

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- GRAPHITE
- SOOT

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ACONITIC ACID
AMINO ACIDS
AROYL PROPIONIC ACIDS
CAFFEIC ACID
CHLOROGENIC ACID
CITRACONIC ACID
CITRIC ACID
DICARBOXYALKYLBENZENES
E.D.T.A.
FATTY ACIDS
FORMIC ACID
GLUCONIC ACID
LINOLEIC ACID
MALEIC ACID
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TRICEL

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ULTRACENTRIFUGES

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CERAMICS; Hollow blocks : Slabs : Floors. See FLOORS : Slabs : Blocks, Hollow; Ceramics
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CERIC OXIDE–ZIRCONIA : Semiconductors : Electrolytes : Platinum–Rhodium; Electrodes. See ELECTRODES; Platinum–Rhodium : Ceric oxide–Zirconia semiconductor electrolytes

CERIUM : Determination : Cast iron. See IRON, Cast : Determination of cerium

CERIUM : Determination : Iron alloys. See IRON : Alloys : Determination of cerium

CERIUM : Separation : Acid solutions : Rare earth compounds. See RARE EARTH COMPOUNDS : Acid solutions : Cerium separation

CERIUM–SULPHURIC ACID : Solutions : Anthracene; Electrodes. See ELECTRODES; Anthracene : Cerium–Sulphuric acid solutions

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ALLOYS, Dispersion

GOLD–PLATINUM–ALUMINA

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CERMETS; Plates : Lapping : Diamond compounds. See DIAMOND COMPOUNDS : Lapping : Plates; Cermets

CERMETS; Potentiometers : Resistors : Trimmers. See TRIMMERS : Resistors : Potentiometers; Cermets

CEROUS MAGNESIUM NITRATE: Cryogenic thermometers. See THERMOMETERS : Cryogenics : Cerous magnesium nitrate

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CESSNA FANJET 500 LIGHT AIRCRAFT. See AIRCRAFT, Light, Types, Cessna Fanjet 500

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FABRICS; Cotton : Industry .. Ceylon

CHAIN CONVEYORS : Mining : Coal. See COAL : Mining : Conveyors, Chain

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CHANNEL ISLANDS

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CHARGING : Batteries : Motor vehicles. See MOTOR VEHICLES : Batteries : Charging

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CITRATES : Solutions : Chelating agents
E.D.T.A.

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CHELATING AGENTS : Reagents : Spectrofluorimetry. See SPECTROFLUORIMETRY : Reagents : Chelating agents

CHELM'S COOMBE
See
NATIONAL TOWER TESTING STATION

CHEMICAL ANALYSIS. See ANALYSIS, Chemical

CHEMICAL BALANCES. See BALANCES, Chemical

CHEMICAL BONDING : Lead. See LEAD : Chemical bonding

CHEMICAL BONDS
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HYDROGEN BOND
VALENCY

CHEMICAL BONDS : Semiconductors. See SEMICONDUCTORS : Chemical bonds

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CHEMICAL CLEANING : Steel; Water tube boilers. See BOILERS, Water tube; Steel : Cleaning, Chemical

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CHEMICAL REACTIONS
GAS-SOLID REACTIONS
UNIT OPERATIONS
UNIT PROCESSES

CHEMICAL ENGINEERING–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Organisations*

- *Profession*
  - *Manpower*
- *Education*
  - *Vocational guidance*
  - *Research*

- *Calculations*

- Problems
  - *Fires*

- *Plant*
  - *Pilot plant*
  - *Control systems*
  - *Electric motors*

- Technical activities
  - Measurements
    - *International System of Units*
  - *Linear programming*
  - *Oxygen determination*

CHEMICAL ENGINEERING–SUBHEADINGS–Synopsis–cont.

- Processes
  - *Dynamics*

- Raw materials
  - *Fuels*

- By products
  - *Recovery plant*
  - *Effluents*

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BLEACHING
CEMENT : Production
CERAMICS
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COLLOIDS
COLOUR INDUSTRIES
CONCRETE
CORROSION
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CHEMICAL TECHNOLOGY

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DYES
ELECTROCHEMISTRY, Applied
ESSENTIAL OILS
EXPLOSIVES
FOOD
FUELS
GLASS
INORGANIC CHEMICALS
LIME
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ORGANIC CHEMICALS
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COMPLEXES
ELECTROCHEMISTRY
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COUNTERS : Circuits
DETECTORS
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MODULATORS
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PULSES : Circuits
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CLAY; Embankments. See EMBANKMENTS; Clay

CLAY, Heavy : Industries. See CERAMICS, Structural

CLAY : Piles. See PILES : Clay

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CLAY, Saturated; Soil : Foundations. See FOUNDATIONS : Soil; Clay, Saturated

CLAY; Soil. See SOIL; Clay

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CLEANING

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SCOURING
SWEEPING
WASHING

CLEANING : Buildings. See BUILDINGS : Cleaning

CLEANING : Casks : Beer. See BEER : Casks :

CLEANING, Chemical : Metals. See METALS : Cleaning, Chemical

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CLEANING, Chemical : Water tube boilers. See BOILERS, Water tube : Cleaning, Chemical

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CLEANING : Gases : Casting : Nodular iron; Motor car parts. See MOTOR CARS : Parts; Iron, Nodular : Casting : Gases : Cleaning

CLEANING : Gases : Refuse disposal. See REFUSE : Disposal : Gas cleaning

CLEANING : Industrial clothing. See CLOTHING, Industrial : Cleaning

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CLEANING : Motor car part manufactures. See MOTOR CARS : Parts : Manufactures : Cleaning

CLEANING : Papermaking. See PAPERMAKING : Cleaning

CLEANING : Pewter. See PEWTER : Cleaning

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CLEANING : Pulp production. See PULP : Production : Cleaning

CLEANING : Radiators : Motor vehicles. See MOTOR VEHICLES : Radiators : Cleaning

CLEANING : Seeds. See SEEDS : Cleaning

CLEANING : Selector switches : Telephony. See TELEPHONY : Switches, Selector : Cleaning

CLEANING : Sound records : Discs. See DISCS : Sound records : Cleaning

CLEANING : Steam turbine installation : Turbo-alternators. See TURBO-ALTERNATORS : Steam turbines : Installation : Cleaning

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CLEANLINESS : Effect on industrial safety. See SAFETY, Industrial : Effect of cleanliness

CLEANSING : Roads. See ROADS : Cleansing

CLEANSING, Town. See SANITATION, Municipal

CLEANSING TISSUE PAPER. See PAPER, Tissue,, Cleansing

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CLOSED CIRCUIT TELEVISION : Control systems : Signals : Traffic : Roads. See ROADS : Traffic : Signals : Control systems : Closed circuit television

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CLOSED CIRCUIT V.H.F. TELEVISION. See TELEVISION, V.H.F., Closed circuit

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CLOSURES : Pressure vessels. See PRESSURE VESSELS : Closures

CLOSURES : Soft drinks. See DRINKS, Soft : Closures

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CLOSURES; Tinplate : Glass; Bottles. See BOTTLES; Glass : Closures; Tinplate

CLOTHING

Related Headings:

- DRESSES
- FOOTWEAR
- HOSIERY
- KNITWEAR
- OUTERWEAR
- SHIRTS
- TIGHTS
- TWEEDS
- UNDERWEAR

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CLUTCHES (Control systems) Electric : Buyers' guides
Clutches for control systems. Pt.2: electrically-operated clutches commercially available in the U.K. J.C. West. Control, 12 (Jan 68) p.48-9

CLUTCHES : Discs : Splines : Lubrication
Method of improving the performance of multi-disc clutches by reducing spline friction. E.F. Finkin. Engrs.' Digest, 29 (Mar 68) p.80-2. il. refs.

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CLUTCHES, Electromagnetic : Manufactures
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Electrostatic clutches and brakes. Pt.2: applications and control circuits. R.W. Dudding. Electrical Rev., 182 (8 Mar 68) p.359-60

CLUTCHES : Linings : Manufactures

Expansion without dislocation [Société Anonyme Française du Férodo] Automobile Engr., 58 (Jun 68) p.270-1

CLUTCHES (Motor cars) Linings : Rivets : Holes : Drilling : Switching circuits, Rectifier, Silicon controlled

Static switching solves member's problem. Electrical Supervisor, 48 (Mar 68) p.60. il.

CLUTCHES (Motor vehicles) Engagement : Torque

Clutch engagement charateristics. G.R. Rao. Automotive Design Engng., 7 (Jun 68) p.40-3. il. refs.

CLYNO ROYAL MOTOR CARS. See MOTOR CARS, Types, Clyno Royal

CLYWEDOG
See
DAMS : Reservoirs.. Clywedog

COACERVATES : Surface active agents : Padding : Dyeing : Wool. See WOOL : Dyeing : Padding : Surface active agents : Coacervates

COACERVATION : Thickened gelatin : Emulsions : Photography. See PHOTOGRAPHY : Emulsions : Gelatin, Thickened : Coacervation

COACHES. See MOTOR COACHES

COAGULATION : Cheddar cheese manufactures. See CHEESE, Cheddar : Manufactures : Coagulation

COAGULATION : Cheese manufactures. See CHEESE : Manufactures : Coagulation

COAGULATION : River extracted water. See WATER, Extracted : Rivers : Coagulation

COAGULATION : Water. See WATER : Coagulation

COAL
Related Headings :
ANTHRACITE
COKE
FUELS, Solid
VITRAIN

COAL–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Research*

- Physico-chemical aspects
  - *Deterioration*
- Physics
  - *Breakage*
  - *Compression*
  - *Irradiation*

- *Chemistry*
  - Combustion
    - *Ignition*
  - *Thermal decomposition*
    - *Carbonisation*
  - *Electrolysis*
  - *Solubility*
  - *Dehydrogenation*
  - *Nitration*
  - *Oxidation*
  - *Methane sorption*
  - *Sulphur removal*
  - Constituents
    - *Ash*
    - *Carbon*
    - *Determination of...*
  - *Solvent extraction*

- *Petrology*
  - *Lithotypes*

COAL–SUBHEADINGS–Synopsis–cont .

  - *Inertinite*
  - *Semifusinite*
  - *Macerals*

- Technical operations
  - *Mining*
    - *Cutting*
  - *Preparation*
    - *Flotation*
    - *Cleaning*
    - *Drying*
  - *Handling*
  - *Distribution*
  - *Transport*

- Forms of coal
  - *Dust*
  - *Fines*
  - *Pulverised*

- Kinds of coal
  - *Brown*
  - *Bituminous*

  - *Nitrided*

  - *Japanese*

- *Utilisation*

- *Products*
  - *Chemicals*
  - *Compacts*

COAL, Appalachian : Coking. See COKING : Coal, Appalachian

COAL : Aromatic compounds production. See AROMATIC COMPOUNDS : Production : Coal

COAL : Ash : Melting : Effect of silica : Studies : Microscopes, Leitz heating

Influence of finely ground silica on the ash fusibility of different coals. W. Szulakowski. J. of Inst. of Fuel, 41 (Jan 68) p.25-7. refs.

COAL, Bituminous : Briquetting

Coventry Homefire plant and process. W.R. Watson. Mining Engr., 127 (Jun 68) p.518-28. il.

COAL, Bituminous : Dissolution : Tetrahydronaphthalene : Kinetics

Kinetic comparison of coal pyrolysis and coal dissolution. W.H. Wiser. Fuel: J. of Fuel Science, 47 (Nov 68) p.475-86. refs.

COAL, Bituminous ,, Heated : Solvent extraction : Chloroform : Products

Origin of chloroform-extractable material in bituminous coal. L. Lazarov & G. Angelova. Fuel: J. of Fuel Science, 47 (Sep 68) p.342-52. refs.

COAL, Bituminous ,, Hydrogenated : Sodium : Ammonia solutions : Solvent extraction : Chloroform : Products

Origin of chloroform-extractable material in bituminous coal. L. Lazarov & G. Angelova. Fuel: J. of Fuel Science, 47 (Sep 68) p.342-52. refs.

COAL, Bituminous : Hydrogenation : Sodium : Ammonia solutions

Treatment of coals with sodium in liquid ammonia solution. L. Lazarov G. Angelova. Fuel: J. of Fuel Science, 47 (Sep 68) p.333-41. refs.

COAL, Bituminous : Moisture : Retention : Determination

Determination of the moisture-holding capacity of bituminous coals. A.H. Edwards. Fuel: J. of Fuel Science, 47 (Jan 68) p.29-49. il. refs.

COAL, Bituminous : Nuclear magnetic resonance : Relaxation
Room-temperature proton magnetic relaxation times in a bituminous coal. H.L. Retcofsky & R.A. Friedel. Fuel: J. of Fuel Science, 47 (Sep 68) p.391-5. il. refs.

COAL, Bituminous : Thermal decomposition
Chemical characteristics of the thermal decomposition of bituminous coals. H.H. Oelert. Fuel: J. of Fuel Science, 47 (Nov 68) p.433-48. refs.

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Kinetic comparison of coal pyrolysis and coal dissolution. W.H. Wiser. Fuel: J. of Fuel Science, 47 (Nov 68) p.475-86. refs.

COAL : Boilers. See BOILERS : Coal

COAL : Boilers : Buildings : Aircraft research. See AIRCRAFT : Research : Buildings : Boilers : Coal

COAL : Breakage : Machines
Breaking and crushing of coal [McNally Pittsburg Manufacturing Corp., U.S.A.] R.K. Singhal. Colliery Guardian, 216 (19 Jan 68) p.81-3. il.

COAL, Brown : Depolymerisation : Phenol : Products
Isolation of certain compounds from depolymerized brown coal. K. Ouchi & J.D. Brooks. Fuel: J. of Fuel Science, 46 (Jul/Sep 67) p.367-77. refs.

COAL, Brown: Firing: Boilers: Power stations. See POWER STATIONS: Boilers, Brown coal fired

COAL, Brown : Moisture : Bonding
Bonding of water to brown coal. R. Stewart & D.G. Evans. Fuel: J. of Fuel Science, 46 (Jul/Sep 67) p.263-74. il. refs.

COAL : Carbon, Aromatic
Molecular volume and the aromaticity of coal. Pt.4: derivation of structural features. E.K. Harrison. Fuel: J. of Fuel Science, 47 (Jul 68) p.265-72. refs.

COAL : Carbonisation
Review of structural studies of the carbonization of coals. H. Marsh & H.P. Stadler. Fuel: J. of Fuel Science, 46 (Jul/Sep 67) p.351-60. il. refs.

COAL : Chemicals
Future of coal chemicals. L. Grainger & W.S. Wise. Chemistry in Britain, 4 (Jan 68) p.12-13. refs.
Too good to burn? R. Spiegelberg. Chemistry & Industry (17 Feb 68) p.195-6

COAL : Chemistry
Chemical constitution of coal. G.J. Lawson. Coal Preparation, 4 (May/Jun 68) p.89-94. refs.

COAL : Cleaning
Contract coal washing at Hucknall. Mining & Minerals Engng., 4 (Sep 68) p.43-7. il.

COAL : Cleaning : Effluents : Disposal : Lagoons
Lagoons in the coal mining industry. G.N. Smith. Colliery Guardian, 216 (Jun 68) p.471-2. il. ref.

COAL : Cleaning : Fines : Flocculation : Reagents
Comparative evaluation of flocculating reagents. M.D. Crook & W.E. Raybould. Coal Preparation, 4 (Jan/Feb 68) p.21-6. il. refs.

COAL : Coking. See COKING : Coal

COAL : Compacts : Thermal decomposition : Gas evolution : Correlation with surface area measurement : Nitrogen adsorption : Isotherms
Changes in surface characteristics of compacted coal during isothermal decomposition. D. Broadbent, D. Dollimore & J. Dollimore. J. of Applied Chemistry, 18 (May 68) p134-6. il. refs.

COAL : Compression : High pressure
Effect of high mechanical pressure on certain types of coal. S. Karaivanov & Z. Petrounova. Fuel: J. of Fuel Science, 46 (Jul/Sep 67) p.239-45. refs.

COAL : Cutting : Forces
Coal cutting research: friction and blunting: their effects on the performance of a model cutter jib. J.A. Dalziel. Colliery Engng., 44 (Dec 67) p.476-86. il.

COAL : Dehydrogenation : Catalysts : Hydrogen evolution : Correlation with rank
Catalytic dehydrogenation of coal. Pt.3: hydrogen evolution as a function of rank. L. Reggel, I. Wender & R. Raymond. Fuel: J. of Fuel Science, 47 (Sep 68) p.373-89. refs.

COAL : Dehydrogenation : Catalysts : Products : Correlation with rank
Catalytic dehydrogenation of coal. Pt.3: hydrogen evolution as a function of rank. L. Reggel, I. Wender & R. Raymond. Fuel: J. of Fuel Science, 47 (Sep 68) p.373-89. refs.

COAL : Deterioration
Deterioration of coal. J.N. Williams. Heating & Ventilating Engr., 41 (Jun 68) p.640-2

COAL : Determination of chlorine : Oxygen flask combustion
Rapid oxygen-flask method for the determination of chlorine in coal. D.B. Ratcliffe & T.L. Young. Fuel: J. of Fuel Science, 47 (May 68) p.185-92. il. refs.

COAL : Determination of phosphorus : Oxidation, Wet
Simultaneous determination of phosphorus and total sulphur in coal. N.K. Prasad. Chemistry & Industry (6 Apr 68) p.444-5. refs.

COAL : Determination of sulphur : Oxidation, Wet
Determination of total sulphur in coal. S.S. Asthana. Fuel: J. of Fuel Science, 46 (Nov 67) p.425-9. refs.
Simultaneous determination of phosphorus and total sulphur in coal. N.K. Prasad. Chemistry & Industry (6 Apr 68) p.444-5. refs.

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Semi-micro determination of total sulphur in coal by the oxygen flask method. D.B. Ratcliffe & A.T.S. Cunningham. Fuel: J. of Fuel Science, 47 (Mar 68) p.89-92. refs.

COAL : Determination of sulphur : Spectroscopy, X-ray fluorescence
Analysis of sulphur in coals by x-ray fluorescence. M. Berman & S. Ergun. Fuel: J. of Fuel Science, 47 (Jul 68) p.285-301. refs.

COAL : Determination of zinc : Colorimetry
Determination of zinc in coal. C. Weaver. Fuel: J. of Fuel Science, 46 (Nov 67) p.407-14. refs.

COAL : Distribution : Depots
New coal handling facility [General Coal Co., Virginia] Mining & Minerals Engng., 4 (Nov 68) p.48-9. il.

COAL : Drying
Aspects of coal drying. D. Farraday. Colliery Guardian, 216 (1 Mar 68) p.254-5

COAL : Dust; Additives : Sand : Moulds : Casting : Brass. See BRASS : Casting : Moulds : Sand : Additives; Coal dust

COAL : Dust–Air–Methane : Ignition, Spontaneous : Effect of ash content
Influence of amount of ash on ignitibility of coal dust-methane-air mixtures. J. M. Singer. Fuel: J. of Fuel Science, 47 (May 68) p.223-34. il. refs.

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Reactions of coal and related materials in microwave discharges in hydrogen, water vapour, and argon. Y.C. Fu & B.D. Blaustein. Fuel: J. of Fuel Science, 47 (Nov 68) p.463-74. refs.

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Pressure in experimental coal hoppers. D.M. Walker & M.H. Blanchard. Chemical Engng. Science, 22 (Dec 67) p.1713-45. refs.

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Effect of solids concentration on flotation. C.C. Dell. Coal Preparation, 4 (May/Jun 68) p.101-3. il.

COAL : Flotation : Collectors; Hydrocarbons
Some aspects of the flotation behaviour of coals with an insoluble collector. F.D. Pooley. Instn. of Mining & Metallurgy Trans., 76 (Dec 67) p.C282-4. refs.

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Oil on wet coal—measurement of contact angle by a suction method. W.C. Clark & G. Mason. J. of Applied Chemistry, 18 (Aug 68) p.240-2. il. refs.

COAL : Handling : Ports
Approval of super terminal at Immingham. Colliery Guardian, 216 (2 Feb 68) p.124. il.

COAL : Hydrogen cyanide production. See HYDROGEN CYANIDE : Production : Coal

COAL : Ignition, Spontaneous : Prevention
Control of spontaneous combustion at Valleyfield Colliery. M. Ahmed. Colliery Guardian, 216 (Sep 68) p.639-49. il.

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Adiabatic apparatus designed to study the self-heating rates of coal. M. Guney & D.J. Hodges. Chemistry & Industry (19 Oct 68) p.1429-33. il. refs.

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Thermogravimetric investigation of the effect of solid oxidizing agents on the ignition of carbonaceous materials. I. Hoffman & M. Schnitzer. Fuel: J. of Fuel Science, 47 (Mar 68) p.119-23. refs.

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Thermogravimetric investigation of the effect of solid oxidizing agents on the ignition of carbonaceous materials. I. Hoffman & M. Schnitzer. Fuel: J. of Fuel Science, 47 (Mar 68) p.119-23. refs.

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To be or not to be: North of England branch presidential address. R. Davis. Mining Electrical & Mechanical Engr., 49 (Sep 68) p.187-9

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NCB report for 1967-68. Colliery Guardian, 216 (Oct 68) p.662-5
Powers that be. Colliery Guardian, 216 (Oct 68) p.659-60
Where does coal stand now? A.W John. Chemistry & Industry (3 Aug 68) p.1024-26

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Presidential address. C.J. Wheatman. Colliery Guardian, 216 (Oct 68) p.712+

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Some aspects of India's coal industry. Mining & Minerals Engng., 4 (Oct 68) p.41-5. il.

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British coal industry and the Common Market. D.J. Ezra. Mining Engr., 127 (Sep 68) p.665-74
Towards a fuel policy in Western Europe. D.J. Ezra. Mining, Electrical & Mechanical Engr., 49 (Jul 68) p.135-40. refs.
Towards a fuel policy in Western Europe (summary) D. Ezra. J. of Fuel & Heat Technology, 15 (Jul 68) p.16
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COAL : Inertinite : Carbonisation
Behaviour of inertinite during carbonization. G.H. Taylor, M.T. Mackowsky & B. Alpem. Fuel: J. of Fuel Science, 46 (Nov 67) p.431-40. il. refs.

COAL : Irradiation : Lasers : Studies : Photography, High speed
Photographic study of laser irradiation of coal and graphite. F.S. Karn & J.M. Singer. Fuel: J. of Fuel Science, 47 (May 68) p.235-40. il. refs.

COAL, Japanese : Density : Determination : Pressure methods : Helium
Helium densities and related properties of Japanese coal. S. Fujii & H. Tsuboi. Fuel: J. of Fuel Science, 46 (Jul/Sep 67) p.361-6. refs.

COAL : Liquid organic chemicals production. See ORGANIC CHEMICALS, Liquid : Production : Coal

COAL : Lithotypes : Terminology
Need for expressing degree of coalification in coal petrology nomenclature. J.A. Harrison. Fuel: J. of Fuel Science, 46 (Jul/Sep 67) p.289-94. refs.

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Need for expressing degree of coalification in coal petrology nomenclature. J.A. Harrison. Fuel: J. of Fuel Science, 46 (Jul/Sep 67) p.289-94. refs.

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Pyrolysis of coal macerals by laser irradiation. F.S. Karn & A.G. Sharkey Jr. Fuel: J. of Fuel Science, 47 (May 68) p.193-95

COAL : Methane production. See METHANE : Production : Coal

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Investigation into the relationship between the methane sorption capacity of coal and gas pressure. D.C. Jolly, L.H. Morris & F.B. Hinsley. Mining Engr., 127 (Jul 68) p.539-48. il. refs.

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Mechanization and organization of high production faces. G. Gillespie. Mining Engr., 127 (Sep 68) p.675-86. il. refs.

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Powered cleaning increases efficiency and saves man-power [Holter R.K. units] Colliery Engng., 45 (Feb 68) p.60-1. il.

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Deployment of port labour by computer. J. Prest. Dock & Harbour Authority, 48 (Feb 68) p.309-10. il. ref.

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Underground process control (quantitative and qualitative) and automation. J.V. Greensmith. Mining Engr., 127 (Mar 68) p.346-57. il. refs.

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Underground process control (quantitative and qualitative) and automation. J.V. Greensmith. Mining Engr., 127 (Mar 68) p.346-57. il. refs.

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Coal ploughing—a new look. J.C. Wilson. Colliery Guardian, 216 (May 68) p.399-405. il.
Conveying at Lynemouth [Mining Engineering Co. Ltd.] Colliery Guardian, 216 (Apr 68) p.345-9. il.

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Electronic control in coal mines. B.C. Mountain. Mining Magazine, 119 (Jul 68) p.32+. il.

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Rope side framed conveyors: survey of recent developments. D. Clark. Colliery Guardian, 216 (Apr 68) p.350-8. il.

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Dirtless mining. C. Round. Mining Engr., 128 (Nov 68) p.77-97. il. refs.

Conveying coal at Moura, Australia. Rubber Developments, 20 no.4 (1967) p.137-40. il.

COAL : Mining : Conveyors, Chain

Heavy duty single chain conveyor. Colliery Guardian, 216 (Oct 68) p.704-5. il.

COAL : Mining.. Creswell Colliery

Creswell Colliery: development of threequarter seam. G. Bye. Colliery Guardian, 216 (Jul 68) p.510-14

COAL : Mining : Cutting

Laboratory investigations of cutting processes applied to coal-winning machines. C.D. Pomeroy & J.H. Brown. J. of Strain Analysis, 3 (Jul 68) p.232-43. il. refs.

Mining applications of the deep cut principle. C.D. Pomeroy. Mining Engr., 127 (Jun 68) p.506-17. il. refs.

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Reconstruction and operation of Dexter/Daw Mill Colliery. W.R. Chambers. Mining Engr., 127 (Feb 68) p.287-300. il.

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Electrical development of Cotgrave Colliery. M.B. Herbert. Mining Electrical & Mechanical Engr., 49 (May 68) p.91-8. il.

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"On the fringes of ergonomics". J. Davidson. Colliery Guardian, 216 (Apr 68) p.359-66. refs.

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High productivity at Lea Hall [Eickhoff double drum ranging arm shearer] Mining & Minerals Engng., 4 (Jun 68) p.39-42. il.

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Efficient use of lighting in mines. W.B. Bell & A.G. Neill. Mining Engr., 128 (Oct 68) p.1-16. il. refs.
Mine lighting: full face lighting at Westoe Colliery. W. Welsh. Colliery Engng., 44 (Dec 67) p.464-5. il.

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Flameproof coal face lighting system [Victor Products, (Wallsend) Ltd.] Colliery Guardian, 216 (Nov 68) p.751-2. il.

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COATING

Related Headings:

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CHROMISING
ENAMELLING
HARDFACING
PAINTING
SHERARDISING
TINNING

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COATING, Roller : Cartons. See CARTONS : Coating, Roller

COATING, Roller : Steel; Strips. See STRIPS; Steel : Coating, Roller

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COATING : Tablets : Drugs. See DRUGS : Tablets : Coating

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- VARNISHES

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COLLOIDS

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EMULSIONS
GELS
SOLS
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COLORIMETRY : Alumina determination : Silicates; Rock. See ROCK; Silicates : Determination of alumina : Colorimetry

COLORIMETRY : Amino acids determination. See AMINO ACIDS : Determination : Colorimetry

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COLORIMETRY : Boric acid determination : Disodium octaborate tetrahydrate : Pesticides : Sitka spruce. See SITKA SPRUCE : Pesticides : Disodium octaborate tetrahydrate : Determination of boric acid : Colorimetry

COLORIMETRY : Boron determination ; Steel. See STEEL : Determination of boron : Colorimetry

COLORIMETRY : Carotene determination : Margarine. See MARGARINE : Determination of carotene : Colorimetry

COLORIMETRY : Chromic oxide determination : Faeces : Calves. See CALVES : Faeces : Determination of chromic oxide : Colorimetry

COLORIMETRY : Chromium determination : Chrome leather. See LEATHER, Chrome : Determination of chromium : Colorimetry

COLORIMETRY : Chromium determination : Effluents : Chrome tanning. See TANNING, Chrome : Effluents : Determination of chromium : Colorimetry

COLORIMETRY : Diketones determination : Beer. See BEER : Determination of diketones : Colorimetry

COLORIMETRY : Ethyl alcohol determination : Beer. See BEER : Determination of ethyl alcohol : Colorimetry

COLORIMETRY : Ferrocyanides determination : Salt. See SALT : Determination of ferrocyanides : Colorimetry

COLORIMETRY : Fluorides determination : Water. See WATER : Determination of fluorides : Colorimetry

COLORIMETRY : *p*-Hydroxybenzyl isothiocyanate determination : Sinapis alba : Animal feedingstuffs. See SINAPIS ALBA : Animal feedingstuffs : Determination of *p*-hydroxybenzyl isothiocyanate : Colorimetry

COLORIMETRY : Hydroxyproline determination : Collagen. See COLLAGEN : Determination of hydroxyproline : Colorimetry

COLORIMETRY : Leaching determination : Organotins : Anti-fouling compositions. See ANTI-FOULING COMPOSITIONS : Organotins : Leaching : Determination : Colorimetry

COLORIMETRY : Magnesium determination : Carbonates; Rock. See ROCK; Carbonates : Determination of magnesium : Colorimetry

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COLORIMETRY : Molybdenum determination : Steel. See STEEL : Determination of molybdenum : Colorimetry

COLORIMETRY : Neomycin determination. See NEOMYCIN : Determination : Colorimetry

COLORIMETRY : Niobium determination. See NIOBIUM : Determination : Colorimetry

COLORIMETRY : Nitrogen compounds determination : Effluents : Tanning. See TANNING : Effluents : Determination of nitrogen compounds : Colorimetry

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COLORIMETRY : Organophosphorus pesticide residues determination : Lettuces. See LETTUCES : Determination of organophosphorus pesticide residues :

COLORIMETRY : Ozone determination : Air–Nitrogen dioxide. See AIR–NITROGEN DIOXIDE : Determination of ozone : Colorimetry

COLORIMETRY : Pentavalent vanadium determination. See VANADIUM, Pentavalent : Determination : Colorimetry

COLORIMETRY : Phosphates determination : Carbonatation liquor : Sugar production. See SUGAR : Production : Carbonatation : Liquor : Determination of phosphates : Colorimetry

COLORIMETRY : Phosphorus determination : Tissues : Plants. See PLANTS : Tissues : Determination of phosphorus : Colorimetry

COLORIMETRY : Polyhydric alcohol nitrates : Effect on blood : Rats. See RATS : Blood : Effect of polyhydric alcohol nitrates : Colorimetry

COLORIMETRY : Protein determination. See PROTEIN : Determination : Colorimetry

COLORIMETRY : Reducing sugars determination : Beer. See BEER : Determination of reducing sugars : Colorimetry

COLORIMETRY : Silicon determination : Feedwater : Boilers. See BOILERS : Feedwater : Determination of silicon : Colorimetry

COLORIMETRY : Sulphates determination : Water. See WATER : Determination of sulphates : Colorimetry

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COLORIMETRY : Toluene di-isocyanate : Determination : Air pollution. See AIR POLLUTION : Toluene di-isocyanate : Determination : Colorimetry

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COLORIMETRY : Tryptophan determination : Wool. See WOOL : Determination of tryptophan : Colorimetry

COLORIMETRY : Vitamin A determination : Margarine. See MARGARINE : Determination of vitamin A : Colorimetry

COLORIMETRY : Volatile sulphur compounds determination : Canned heat processed herrings. See HERRINGS, Heat processed,, Canned : Determination of sulphur compounds, Volatile : Colorimetry

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COLOUR : Dyed wool fabrics. See FABRICS; Wool,, Dyed : Colour

COLOUR : Fabrics : Backing : Thermoplastics; Upholstery : Motor cars. See MOTOR CARS : Upholstery; Thermoplastics : Backing : Fabrics : Colour

COLOUR : Fastness

Related Headings:

LIGHT FASTNESS

COLOUR : Fastness : Carpets. See CARPETS : Colour fastness

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COLOUR : Fittings : Buildings. See BUILDINGS : Fittings : Colour

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COLOUR : Fruit. See FRUIT : Colour

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COLOUR CATHODE RAY TUBES : Displays : Instruments. See INSTRUMENTS : Displays : Cathode ray tubes, colour
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COLOUR FASTNESS : Carpets. See CARPETS : Colour fastness
COLOUR FILM : Recording : News programmes : Television. See TELEVISION : News programmes : Recording : Film, Colour
COLOUR HALF TONE ILLUSTRATIONS : Newspapers. See NEWSPAPERS : Illustrations, Half tone,, Colour
COLOUR ILLUSTRATIONS. See ILLUSTRATIONS, Colour
COLOUR INDUSTRIES
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DYEING
ENAMELS
INKS
LACQUERS
PAINT
PIGMENTS

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ARCHITECTURE.. Columbus (Ohio)
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COLUMNS, Breakaway : Lamps : Lighting : Streets. See STREETS : Lighting : Lamps : Columns, Breakaway
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COLUMNS : Gas chromatography. See GAS CHROMATOGRAPHY : Columns
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COLUMNS, Packed. See PACKED COLUMNS
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- DETONATION
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- FIRES
- FLAMES
- IGNITION
- SOOT

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COMBUSTION : Propane. See PROPANE : Combustion

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COMBUSTION, Underground : Air injection : Reservoirs : Petroleum. See PETROLEUM : Reservoirs : Injection : Air : Combustion, Underground

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COMBUSTION : *m*-Xylene. See *m*-XYLENE : Combustion

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COMMON EMITTER TRANSISTOR AMPLIFIERS. See AMPLIFIERS, Transistor, Common emitter

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COMMUNICATIONS

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- LASERS : Communications
- PULSE CODE MODULATION
- PULSE INTERVAL MODULATION
- PULSE MODULATION
- PULSE SLOPE MODULATION
- PULSE SOUND MODULATION
- PULSE WIDTH MODULATION
- RADIO

COMMUNICATIONS, Engineering
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REPEATERS
TELEGRAPHY
TELEMETERING
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TELEPHONES
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COMPUTERS

Related Headings:

- ANALOGUE–DIGITAL CONVERTORS
- CODES, Binary
- READING MACHINES
- SHIFT REGISTERS

COMPUTERS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Profession

Bureaux
  Consultants

Education
Research

Particular countries
  Japan

Problems
  Errors
  Faults

Technical activities
  Design
  Industrial design
  Manufactures
  Housing

COMPUTERS–SUBHEADINGS–Synopsis–cont.

- Housing–*cont.*
  - *Buildings*
- Operations
  - *Man–Machine interfaces*
  - *Input*
  - *Analogue input*
  - *Peripheral processing*
    - *Input units*
    - *Output units*
    - *Print out*
  - *Data transmission*
    - *File converters*
  - *Timing*
  - *Sorting*
  - *String processing*
  - *List processing*
  - *Multiple length calculations*

- Programs
  - *Flow diagrams*
  - *Storage allocation*

- Operating systems

- Parts of computers
  - *Circuits*
  - *Power supplies*
  - *Logical elements*
  - *Storage units*
  - *Sense amplifiers*

- Performance
  - *Testing*

- Kinds of computers
  - *Real time*
  - *Time sharing*
  - *Conversational mode*
  - *Direct entry*
  - *Analogue*
  - *Hybrid*

- Applications
  - *Simulators*
  - *Personality simulation*
  - *Control systems*
  - *Translations*
  - *Health centres*
  - *Hospitals*
  - *Medical equipment*

COMPUTERS : Accident analysis : Roads. See ROADS : Accidents : Analysis : Computers

COMPUTERS : Adaptive model reference control systems analysis : Gas turbines : Aircraft. See AIRCRAFT : Gas turbines : Control systems, Adaptive, Model reference : Analysis : Computers

COMPUTERS : Air transport. See AIR TRANSPORT : Computers

COMPUTERS : Aircraft design. See AIRCRAFT : Design : Computers

COMPUTERS : Aircraft manufactures. See AIRCRAFT : Manufactures : Computers

COMPUTERS : Algebraic expression manipulation. See ALGEBRAIC EXPRESSIONS : Manipulation : Computers

COMPUTERS, Analogue

Computers and systems design. Pt.1 : analogue computing techniques. J. Parnaby. Control, 12 (Jun 68) p.536-40

COMPUTERS, Analogue

Related Headings :

AMPLIFIERS, Operational

COMPUTERS, Analogue : Colour matching : Plastics. See PLASTICS : Colour matching : Computers, Analogue

COMPUTERS, Analogue : Control systems : Papermaking. See PAPERMAKING : Control systems : Computers, Analogue

COMPUTERS, Analogue : Formulation : Mixing : Animal feedingstuffs. See ANIMAL FEEDINGSTUFFS : Mixing : Formulation : Computers, Analogue

COMPUTERS, Analogue : Jump phenomenon analysis : Mercury arc converters. See CONVERTERS, Mercury arc : Jump phenomenon : Analysis : Computers, Analogue

COMPUTERS, Analogue : Linear programming : Formulation : Mixing : Animal feedingstuffs. See ANIMAL FEEDINGSTUFFS : Mixing : Formulation : Linear programming : Computers, Analogue

COMPUTERS, Analogue : Locus plotting : Frequency response. See FREQUENCY RESPONSE : Locus plotting : Computers, Analogue

COMPUTERS, Analogue : Network analysis : Natural gas distribution. See GAS, Natural : Distribution : Network analysis : Computers, Analogue

COMPUTERS, Analogue : Network analysis : Town gas distribution. See GAS, Town : Distribution : Network analysis : Computers, Analogue

COMPUTERS, Analogue : Plotting : Bode ideal loop gain : Servomechanisms. See SERVOMECHANISMS : Bode ideal loop gain : Plotting : Computers, Analogue

COMPUTERS, Analogue : Plotting : Mikhailov curves : Stability : Control systems. See CONTROL SYSTEMS : Stability : Mikhailov curves : Plotting : Computers, Analogue

COMPUTERS, Analogue : Point loading calculations : Bending : Cantilever beams. See BEAMS, Cantilever : Bending : Point loading : Calculations : Computers, Analogue

COMPUTERS, Analogue : Point loading calculations : Bending : Rings. See RINGS : Bending : Point loading : Calculations : Computers, Analogue

COMPUTERS, Analogue : Polynomial equations calculations. See POLYNOMIAL EQUATIONS : Calculations : Computers, Analogue

COMPUTERS, Analogue : Resistors, Variable : Photoconductive cells

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COMPUTERS, Analogue : Simulators : Chemical reactors : Shift reaction : Water gas. See WATER GAS : Shift reaction : Chemical reactors : Simulation : Computers, Analogue

COMPUTERS, Analogue : Simulators : Frequency filters. See FILTERS, Frequency : Simulation : Computers, Analogue

COMPUTERS, Analogue : Simulators : Friction. See FRICTION : Simulators : Computers, Analogue

COMPUTERS, Analogue : Simulators : Heat transfer : Underground electric cables. See CABLES, Electric ,, Underground : Heat transfer : Simulation : Computers, Analogue

COMPUTERS, Analogue : Simulators : Hydraulic servomechanisms. See SERVOMECHANISMS, Hydraulic : Simulation : Computers, Analogue

COMPUTERS, Analogue : Simulators : Time delays : Thickness monitoring : Rolling : Steel; Strips. See STRIPS; Steel : Rolling : Thickness : Monitoring : Time delays : Simulation : Computers, Analogue

COMPUTERS, Analogue : Simulators : Transient response : Transistors. See TRANSISTORS : Transient response : Simulation : Computers, Analogue

COMPUTERS, Analogue : Simulators : Water supply distribution. See WATER : Supplies : Distribution : Simulation : Computers, Analogue

COMPUTERS, Analogue : Simulators : Whirling : Critical speed : Shafts : Turbines. See TURBINES : Shafts : Critical speed : Whirling : Simulators : Computers, Analogue

COMPUTERS, Analogue ,, Training

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COMPUTERS : Arc sine calculation. See SINES, Arc : Calculation : Computers

COMPUTERS : Asynchronised alternator analysis. See ALTERNATORS, Asynchronised : Analysis : Computers

COMPUTERS, Average transient : Synchronisation : Shaft encoders : Frequency sweep spectrometers : Nuclear magnetic resonance. See NUCLEAR MAGNETIC RESONANCE : Spectrometers, Frequency sweep : Shaft encoders : Synchronisation : Computers, Average transient

COMPUTERS : Banks. See BANKS : Computers

COMPUTERS : Big end bearing design calculations : Connecting rods : Internal combustion engines. See ENGINES, Internal combustion : Connecting rods : Bearings, Big end : Design : Calculations : Computers

COMPUTERS : Bills of quantities : Building. See BUILDING : Bills of quantities : Computers

COMPUTERS : Body design : Motor cars. See MOTOR CARS : Bodies : Design : Computers

COMPUTERS : Braille production. See BRAILLE : Production : Computers

COMPUTERS : Building. See BUILDING : Computers

COMPUTERS : Buildings

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COMPUTERS : Carpet manufactures. See CARPETS : Manufactures : Computers

COMPUTERS : Channel design : Sea water : Cooling systems : Power stations. See POWER STATIONS : Cooling systems : Sea water : Channels : Design : Computers

COMPUTERS : Chemical engineering. See CHEMICAL ENGINEERING : Computers

COMPUTERS : Chemical engineering calculations. See CHEMICAL ENGINEERING : Calculations : Computers

COMPUTERS : Circuit design. See CIRCUITS, Electronics; Design : Computers

COMPUTERS : Circuits, Printed : Manufactures

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COMPUTERS : Civil engineering. See CIVIL ENGINEERING : Computers

COMPUTERS : Civil engineering education. See CIVIL ENGINEERING : Education : Computers

COMPUTERS : Classification systems : Building. See BUILDING : Classification systems : Computers

COMPUTERS : Cold stores. See COLD STORES : Computers

COMPUTERS : Colour matching. See COLOUR : Matching : Computers

COMPUTERS : Colour matching : Paint. See PAINT : Colour matching : Computers

COMPUTERS : Commercial vehicle operation cost calculations. See VEHICLES, Commercial : Operation : Costs : Calculations : Computers

COMPUTERS : Compilation : Programs : Control systems : Machine tools. See MACHINE TOOLS : Control systems : Programs : Compilation : Computers

COMPUTERS : Compilation : Programs : Control systems : Machining : Printing machine components. See PRINTING : Machines : Components : Machining : Control systems : Programs : Compilation : Computers

COMPUTERS : Compilation : Timetables : Examinations : Universities. See UNIVERSITIES : Examinations : Timetables : Compilation : Computers

COMPUTERS : Compilation : Timetables : Universities. See UNIVERSITIES : Timetables : Compilation : Computers

COMPUTERS : Composing : Printing See COMPOSING : Printing : Computers

COMPUTERS : Composing : Printing : Newspapers. See NEWSPAPERS : Printing : Composing : Computers

COMPUTERS : Computer maintenance. See COMPUTERS : Maintenance : Computers

COMPUTERS : Conformal mapping : Field analysis. See FIELDS : Analysis : Conformal mapping : Computers

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COMPUTERS : Control systems : Assembly : Carriers : Differentials : Transmissions : Motor cars. See MOTOR CARS : Transmissions : Differentials : Carriers : Assembly : Control systems : Computers

COMPUTERS : Control systems : Biscuit manufactures. See BISCUITS : Manufactures : Control systems : Computers

COMPUTERS : Control systems : Blast furnaces : Lead production. See LEAD : Production : Blast furnaces : Control systems : Computers

COMPUTERS : Control systems : Blast furnaces : Zinc production. See ZINC : Production : Blast furnaces : Control systems : Computers

COMPUTERS : Control systems : Brass manufactures; Rods. See RODS; Brass : Manufactures : Control systems : Computers

COMPUTERS : Control systems : Cement production. See CEMENT : Production : Control systems : Computers

COMPUTERS : Control systems : Chemical analysis. See ANALYSIS, Chemical : Control systems : Computers

COMPUTERS : Control systems : Chemical engineering. See CHEMICAL ENGINEERING : Control systems : Computers

COMPUTERS : Control systems : Chromatography. See CHROMATOGRAPHY : Control systems : Computers

COMPUTERS : Control systems : Columns : Distillation : Formaldehyde resins manufactures. See FORMALDEHYDE RESINS : Manufactures : Distillation : Columns : Control systems : Computers

COMPUTERS : Control systems : Control system manufactures : Machine tools. See MACHINE TOOLS : Control systems : Manufactures : Control systems : Computers

COMPUTERS : Control systems : Conveyors : Coal : Power stations. See POWER STATIONS : Coal : Conveyors : Control systems : Computers

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COMPUTERS (Control systems) Data transmission, Time division multiplex

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COMPUTERS : Control systems : Electric power systems See ELECTRIC POWER SYSTEMS : Control systems : Computers

COMPUTERS : Control systems : Flame cutting : Shipbuilding. See SHIPBUILDING : Flame cutting : Control systems : Computers

COMPUTERS : Control systems : Flow : Traffic : Roads. See ROADS : Traffic : Flow : Control systems : Computers

COMPUTERS : Control systems : Fluted paper manufactures. See PAPER, Fluted : Manufactures : Control systems : Computers

COMPUTERS : Control systems : Frames : Structure testing : Supersonic aircraft. See AIRCRAFT, Supersonic : Structures : Testing : Frames : Control systems : Computers

COMPUTERS : Control systems : Fuel injection equipment manufactures : Diesel engines. See DIESEL ENGINES : Fuel injection : Equipment : Manufactures : Control systems : Computers

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COMPUTERS : Control systems : Machine tools : Machining : Aluminium alloys. See ALUMINIUM : Alloys : Machining : Machine tools : Control systems : Computers

COMPUTERS : Control systems : Microdensitometers : Film : Diffraction : X-rays. See X-RAYS : Diffraction : Film : Microdensitometers : Control systems : Computers

COMPUTERS : Control systems : Mills : Cold rolling : Steel. See STEEL : Rolling, Cold : Mills : Control systems : Computers

COMPUTERS : Control systems : Mineral dressing. See MINERAL DRESSING : Control systems : Computers

COMPUTERS : Control systems : Mixing : Cement production. See CEMENT : Production : Mixing : Control systems : Computers

COMPUTERS : Control systems : Nuclear power stations. See NUCLEAR POWER STATIONS : Control systems : Computers

COMPUTERS : Control systems : Nuclear reactors. See NUCLEAR REACTORS : Control systems : Computers

COMPUTERS : Control systems : Papermaking. See PAPERMAKING : Control systems : Computers

COMPUTERS : Control systems : Petrochemicals production. See PETROCHEMICALS : Production : Control systems : Computers

COMPUTERS : Control systems : Petroleum production. See PETROLEUM : Production : Control systems : Computers

COMPUTERS : Control systems : Polymer sheet manufactures. See SHEETS; Polymers : Manufactures : Control systems : Computers

COMPUTERS : Control systems : Punching machines. See PUNCHING : Machines : Control systems : Computers

COMPUTERS : Control systems : Reforming : Hydrocarbons : Town gas production. See GAS, Town : Production : Hydrocarbons : Reforming : Control systems : Computers

COMPUTERS : Control systems : Reforming : Light petroleum distillates : Town gas production. See GAS, Town : Production : Light petroleum distillates : Reforming : Control systems : Computers

COMPUTERS : Control systems : Reliability testing : Electronic components. See ELECTRONICS : Components : Reliability : Testing : Control systems :

COMPUTERS : Control systems : Shearing : Steel; Billets. See BILLETS; Steel : Shearing : Control systems : Computers

COMPUTERS : Control systems : Shearing : Steel; Ingots. See INGOTS; Steel : Shearing : Control systems : Computers

COMPUTERS : Control systems : Shearing : Steel; Slabs. See SLABS; Steel : Shearing : Control systems : Computers

COMPUTERS : Control systems : Signals : Traffic : Fire engines. See FIRE ENGINES : Traffic : Signals : Control systems : Computers

COMPUTERS : Control systems : Signals : Traffic : Roads. See ROADS : Traffic : Signals : Control systems : Computers

COMPUTERS : Control systems : Solvent extraction. See SOLVENT EXTRACTION : Control systems : Computers

COMPUTERS : Control systems : Steam turbines : Turbo-alternators. See TURBO-ALTERNATORS : Steam turbines : Control systems : Computers

COMPUTERS : Control systems : Steel production. See STEEL : Production : Control systems : Computers

COMPUTERS : Control systems : Thermal cracking : Olefins production. See OLEFINS : Production : Cracking, Thermal : Control systems : Computers

COMPUTERS : Control systems : Town gas distribution. See GAS, Town : Distribution : Control systems : Computers

COMPUTERS : Control systems : Town gas production. See GAS, Town : Production : Control systems : Computers

COMPUTERS : Control systems : Turbojets : Supersonic aircraft. See AIRCRAFT, Supersonic : Turbojets : Control systems : Computers

COMPUTERS : Control systems : Warehouses. See WAREHOUSES : Control systems : Computers

COMPUTERS : Control systems : Warehouses : Storage : Footwear. See FOOTWEAR : Storage : Warehouses : Control systems : Computers

COMPUTERS : Control systems : Warehouses : Storage : Groceries. See GROCERIES : Storage : Warehouses : Control systems : Computers

COMPUTERS : Control systems : Warehouses : Storage : Stainless steel. See STEEL, Stainless : Storage : Warehouses : Control systems : Computers

COMPUTERS : Control systems : Warehouses : Storage : Steel. See STEEL : Storage : Warehouses : Control systems : Computers

COMPUTERS : Control systems : Warehouses : Storage : Textiles. See TEXTILES : Storage : Warehouses : Control systems : Computers

COMPUTERS : Control systems : Weighing : Wagons : Railways. See RAILWAYS : Wagons : Weighing : Control systems : Computers

COMPUTERS : Control systems : Wet ends : Papermaking machines. See PAPERMAKING : Machines : Wet ends : Control systems : Computers

COMPUTERS, Conversational mode

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COMPUTERS : Critical path analysis : Building. See BUILDING: Critical path analysis : Computers

COMPUTERS : Critical path analysis : Relining : Blast furnaces. See FURNACES, Blast : Relining : Critical path analysis : Computers

COMPUTERS : Critical path analysis : Road planning. See ROADS : Planning : Critical path analysis : Computers

COMPUTERS : Data processing : Haulage costs : Roads. See ROADS : Haulage : Costs : Data processing : Computers

COMPUTERS : Data processing : Petroleum distribution. See PETROLEUM : Distribution : Data processing : Computers

COMPUTERS : Data processing : Powder photographs : Diffraction : Neutrons. See NEUTRONS : Diffraction : Powder photographs : Data processing : Computers

COMPUTERS : Data processing : Powder photographs : Diffraction : X-rays. See X-RAYS : Diffraction : Powder photographs : Data processing : Computers

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COMPUTERS : Electrical machinery design. See ELECTRICAL MACHINERY : Design : Computers

COMPUTERS : Electrical network analysis. See NETWORKS, Electrical : Analysis : Computers

COMPUTERS : Electronic equipment design. See ELECTRONIC EQUIPMENT : Design :

COMPUTERS : Engineering design. See ENGINEERING : Design : Computers

COMPUTERS : Environmental testing. See ENVIRONMENTAL TESTING : Computers

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COMPUTERS : Triangular decomposition : Symmetric matrices. See MATRICES, Symmetric : Triangular decomposition : Computers

COMPUTERS : Valve design : Reciprocating compressors : Refrigerators. See REFRIGERATORS : Compressors, Reciprocating : Valves : Design : Computers

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CONCENTRATION : Calcium chloride solutions : Cold stores. See COLD STORES : Calcium chloride solutions : Concentration
CONCENTRIC CYLINDERS. See CYLINDERS, Concentric
CONCENTRIC PIPES. See PIPES, Concentric
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CONCRETE
Related Headings :
CEMENT
GUNITE

CONCRETE–SUBHEADINGS–Synopsis
This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Research*

- Properties
  - *Durability*
  - *Strength*
  - *Tensile tests*
    - *Compression*
    - *Hardness*
  - *Shrinkage*
  - *Temperature*
  - *Thermal conductivity*
  - Chemistry
    - *Analysis*

- Technical activities
  - *Microscopy*
    - *Electron microscopy*
  - Production
    - *Mixing*
      - *Mixes*
  - *Drying*
  - *Finishing*
  - Handling
    - *Pumping*
      - *Pumps*

CONCRETE–SUBHEADINGS–Synopsis–cont.

- Materials
  - *Additives*
  - *Aggregates*
    - *Lightweight aggregate*

- Kinds of concrete by process
  - *Ready mixed*
  - *Reinforced*
  - *Prestressed*
    - *Post-tensioned*

- Kinds of concrete by material
  - *Lightweight*
    - *Lightweight aggregate*
    - *Aerated*
    - *Gas*
  - *Vitreous aggregate*

- Kinds by property
  - *Expanding*
  - *Waterproof*
  - *Heat-resistant*

CONCRETE; Abutments : Bridges : Railways. See RAILWAYS : Bridges : Abutments; Concrete
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What should an engineer know about the nature of admixtures? S. Popovics. Concrete, 2 (Jul 68) p.272-7. refs.
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CONCRETE; Arch dams. See DAMS, Arch; Concrete
CONCRETE, Asphaltic; Rockfill dams. See DAMS, Rockfill; Concrete, Asphaltic
CONCRETE; Beams. See BEAMS; Concrete
CONCRETE; Beams : Bridges. See BRIDGES : Beams; Concrete
CONCRETE; Beams : Floors. See FLOORS : Beams; Concrete
CONCRETE; Blocks. See BLOCKS; Concrete
CONCRETE; Blocks : Houses. See HOUSES : Blocks; Concrete

CONCRETE; Blocks : Housing. See HOUSING : Blocks; Concrete

CONCRETE : Blocks : Lecture halls. See LECTURE HALLS : Blocks : Concrete

CONCRETE; Blocks : Office buildings. See OFFICE BUILDINGS : Blocks; Concrete

CONCRETE; Blocks : Steam turbines : Turbo-alternators. See TURBO-ALTERNATORS : Steam turbines : Blocks; Concrete

CONCRETE; Bridges. See BRIDGES; Concrete

CONCRETE; Bridges : Railways. See RAILWAYS : Bridges; Concrete

CONCRETE; Building blocks. See BUILDING : Blocks; Concrete

CONCRETE; Buildings. See BUILDINGS; Concrete

CONCRETE; Buildings : Banks. See BANKS : Buildings; Concrete

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CONCRETE; Dams. See DAMS; Concrete

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CONCRETE; Floors. See FLOORS; Concrete

CONCRETE; Foot bridges. See BRIDGES, Foot; Concrete

CONCRETE; Foundations : Buildings. See BUILDINGS : Foundations; Concrete

CONCRETE; Foundations : Hospitals. See HOSPITALS : Foundations; Concrete

CONCRETE; Frames : Office buildings. See OFFICE BUILDINGS : Frames; Concrete

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CONCRETE; Panels : Prefabricated buildings. See BUILDINGS, Prefabricated : Panels; Concrete

CONCRETE; Pipes : Sewers. See SEWERS : Pipes; Concrete

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CONCRETE, Precast : Hotels. See HOTELS : Concrete, Precast

CONCRETE, Precast; Panels : Housing : Old people. See HOUSING : Old people : Panels; Concrete, Precast

CONCRETE, Precast; Panels : Tall buildings. See BUILDINGS, Tall : Panels; Concrete, Precast

CONCRETE, Precast; Pedestrian subways. See SUBWAYS, Pedestrian; Concrete, Precast

CONCRETE, Precast; Pedestrian subways : Roundabouts : Roads. See ROADS : Roundabouts : Subways, Pedestrian; Concrete, Precast

CONCRETE, Precast; Pipes. See PIPES; Concrete, Precast

CONCRETE, Precast; Spiral staircases : Office buildings. See OFFICE BUILDINGS : Staircases, Spiral; Concrete, Precast

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CONCRETE; Prefabricated building components. See BUILDINGS, Prefabricated : Components; Concrete

CONCRETE; Prefabricated buildings. See BUILDINGS, Prefabricated; Concrete

CONCRETE; Prefabricated housing components. See HOUSING, Prefabricated : Components; Concrete

CONCRETE; Pressure vessels : Gas cooled nuclear reactors. See NUCLEAR REACTORS, Gas cooled : Pressure vessels; Concrete

CONCRETE; Pressure vessels : Nuclear reactors. See NUCLEAR REACTORS : Pressure vessels; Concrete

CONCRETE, Prestressed; Beams. See BEAMS; Concrete, Prestressed

CONCRETE, Prestressed; Beams : Bridges. See BRIDGES : BEAMS; Concrete, Prestressed

CONCRETE, Prestressed; Bridges. See BRIDGES; Concrete, Prestressed

CONCRETE, Prestressed; Bridges : Motorways. See MOTORWAYS : Bridges; Concrete, Prestressed

CONCRETE, Prestressed; Conical tanks : Water. See WATER : Tanks, Conical; Concrete, Prestressed

CONCRETE, Prestressed; Continuous beams : Bridges. See BRIDGES : Beams, Continuous; Concrete, Prestressed

CONCRETE, Prestressed; Diaphragm walls : Docks. See DOCKS : Walls, Diaphragm; Concrete, Prestressed

CONCRETE, Prestressed; Paraboloid shells. See SHELLS, Paraboloid; Concrete, Prestressed

CONCRETE, Prestressed; Pressure vessels : Nuclear reactors. See NUCLEAR REACTORS : Pressure vessels; Concrete, Prestressed

CONCRETE, Prestressed; Reservoirs. See RESERVOIRS; Concrete, Prestressed

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CONCRETE, Reinforced; Bridges. See BRIDGES; Concrete, Reinforced

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Related Headings:
BAGS
BOTTLES
BOXES
CANS
CAPSULES
CARTONS
CASES
CASSETTES
CRATES
DRUMS
SACHETS
SACKS
TANKS
VESSELS

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CONTAINERS : Hydrostatic cold forming : Metals. See METALS : Forming, Cold,, Hydrostatic : Containers

CONTAINERS, Insulated : Vacuum
Related Headings:
DEWAR VESSELS

CONTAINERS : Liquefied petroleum gas. See GAS, Liquefied petroleum : Containers

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CONTAINERS, Refrigerated : Transport : Food. See FOOD : Transport : Containers, Refrigerated

CONTAINERS, Refrigerated : Transport : Frozen food. See FOOD, Frozen : Transport : Containers, Refrigerated

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CONTAINERS : Transport : Agricultural machinery. See AGRICULTURAL MACHINERY : Transport : Containers
CONTAINERS : Transport : Chemicals. See CHEMICALS : Transport : Containers
CONTAINERS : Transport : Coke : Furnaces : Melting : Casting : Iron. See IRON : Casting : Melting : Furnaces : Coke : Transport : Containers
CONTAINERS : Transport : Petroleum. See PETROLEUM : Transport : Containers
CONTAINERS : Transport : Wood. See WOOD : Transport : Containers
CONTINUOUS ANNEALING : Steel; Rods. See RODS; Steel : Annealing, Continuous
CONTINUOUS ANNEALING : Steel; Wires. See WIRES; Steel : Annealing, Continuous
CONTINUOUS BEAMS. See BEAMS, Continuous
CONTINUOUS BEAMS : Bridges. See BRIDGES : Beams, Continuous
CONTINUOUS CAST STEEL. See STEEL, Cast, Continuous
CONTINUOUS CAST STEEL; Billets. See BILLETS; Steel,, Cast,, Continuous
CONTINUOUS CASTING : Bronze; Bars. See BARS; Bronze : Casting, Continuous
CONTINUOUS CASTING : Bronze; Rods. See RODS; Bronze : Casting, Continuous
CONTINUOUS CASTING : Stainless steel; Slabs. See SLABS; Steel, Stainless : Casting, Continuous
CONTINUOUS CASTING : Steel. See STEEL : Casting, Continuous
CONTINUOUS CASTING : Steel; Slabs. See SLABS; Steel : Casting, Continuous
CONTINUOUS CASTING : Steel–Lead. See STEEL–LEAD : Casting, Continuous
CONTINUOUS CASTING : Zinc; Strips. See STRIPS; Zinc : Casting, Continuous
CONTINUOUS STATIONERY. See STATIONERY, Continuous
CONTINUOUS WAVE COMPARATORS : Calibration : R.F. attenuators. See ATTENUATORS, R.F. : Calibration : Comparators, Continuous wave
CONTINUOUS WAVE RADAR. See RADAR, Continuous wave
CONTOUR GRAPHS : Mixing : Carbon black; Fillers : Oil extended rubber : Ethylene–Propylene–Dienes. See ETHYLENE–PROPYLENE–DIENES : Rubber, Oil extended : Fillers; Carbon black : Mixing : Graphs, Contour
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CONTRACTS : Building. See BUILDING : Contracts
CONTRACTS : Prefabricated buildings. See BUILDINGS, Prefabricated : Contracts
CONTRAROTATING CONCENTRIC ELECTRODES : Motion : Low current arcs. See ARCS, Low current : Motion : Electrodes, Concentric,, Contrarotating
CONTRAROTATING PROPELLERS : Ships. See SHIPS : Propellers, Contrarotating
CONTRAST : Air photography. See PHOTOGRAPHY, Air : Contrast
CONTRAST : Colour photography. See PHOTOGRAPHY, Colour : Contrast
CONTRAST : Electron diffraction. See ELECTRON DIFFRACTION : Contrast
CONTRAST : Electron microscopy : Precipitates : Metals; Foil. See FOIL; Metals : Precipitates : Microscopy, Electron : Contrast
CONTRAST : Field ion microscopy : Dislocations : Face centred cubic metals. See METALS, Face centred cubic : Dislocations : Field ion microscopy : Contrast
CONTRAST : Field ion microscopy : Dislocations : Iridium. See IRIDIUM : Dislocations : Microscopy, Field ion : Contrast
CONTRAST : Field ion microscopy : Stacking faults : Face centred cubic metals. See METALS, Face centred cubic : Stacking faults : Field ion microscopy : Contrast
CONTRAST : Field ion microscopy : Stacking faults : Iridium. See IRIDIUM : Stacking faults : Microscopy, Field ion : Contrast
CONTRAST, Interference, Microscopy : Martensitic thermal transformation studies : Indium–Thallium. See INDIUM–THALLIUM : Thermal transformations, Martensitic : Studies : Microscopy, Interference contrast
CONTRAST : X-ray topographs : Defect studies : Single crystals. See CRYSTALS, Single : Defects : Studies : X-ray topographs : Contrast
CONTROL, Remote : Belt conveyors : Mining :; Coal. See COAL : Mining : Conveyors, Belt : Control, Remote
CONTROL, Remote : Diesel engines : Ships. See SHIPS : Diesel engines : Control, Remote
CONTROL, Remote : Discharging : Fuel oil : Road tankers. See TANKERS, Road : Fuel oil : Discharging : Control, Remote
CONTROL, Remote : Filling : Tanks : Fuel oil : Oil fired heating : Housing. See HOUSING : Heating, Oil fired : Fuel oil : Tanks : Filling : Control, Remote
CONTROL, Remote : Hydraulic pit props. See PIT PROPS, Hydraulic : Control, Remote
CONTROL, Remote : Mining : Coal. See COAL : Mining : Control, Remote
CONTROL, Remote : Multichannel counters : Pulses. See PULSES : Counters, Multichannel : Control, Remote

CONTROL, Remote : Platforms : Underwater cleaning : Hulls. See HULLS : Cleaning, Underwater : Platforms : Control, Remote
CONTROL, Remote : Pressure vessel replacement : Heavy water moderated nuclear reactors. See NUCLEAR REACTORS, Heavy water moderated : Pressure vessels : Replacement : Control, Remote

CONTROL, Remote : Solenoid valves : Water mains. See WATER : Mains : Valves, Solenoid : Control, Remote
CONTROL, Remote : Studio equipment : Television. See TELEVISION : Studios : Equipment : Control, Remote
CONTROL, Remote : Tramway models. See TRAMWAYS : Models : Control, Remote
CONTROL, Remote : Transmitters : Communications : Radio. See RADIO : Communications : Transmitters : Control, Remote
CONTROL, Remote : Travelling overhead cranes. See CRANES, Overhead,, Travelling : Control, Remote
CONTROL, Remote : Valves : Cargo handling : Tankers : Ships. See TANKERS : Ships : Cargoes : Handling : Valves : Control, Remote
CONTROL CENTRES : Electric power systems. See ELECTRIC POWER SYSTEMS : Control centres
CONTROL GEAR : Induction electric motors. See ELECTRIC MOTORS, Induction : Control gear

CONTROL PANELS : Reproduction equipment : Sound. See SOUND : Reproduction : Equipment : Control panels

CONTROL RODS (Nuclear reactors) Steel, Stainless–Boron carbide, Coated : Titanium carbide

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CONTROL SYSTEMS

Related Headings :

- ACTUATORS
- ATTITUDE CONTROL
- FEED FORWARD
- FEEDBACK
- GOVERNORS
- GUIDANCE SYSTEMS
- POSITIONING CONTROL
- PROGRAMMERS
- SERVO VALVES
- SERVOMECHANISMS

CONTROL SYSTEMS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Bibliographies*

- Profession
  - *Engineers*

- *Education*
- *Research*

- *Standardisation*

- Particular localities
  - *Europe*

- *Mathematics*
- *Analysis*
  - *Progressive interpolation*

CONTROL SYSTEMS–SUBHEADINGS–Synopsis–cont.

- *Constraints*
- *Finite state systems*
- *Order reduction*
- *Quadratic performance indices*
- *Stability*
- *Final value*
- *Noise*
  - *Filtering*
    - *Lagging filters*
- Response

  - *Identification*
  - *Correlation functions*
  - *Impulse response*
  - *Sensitivity*
- *Multilevel techniques*

- Technical operations
  - *Manufactures*

- Components
  - *Computers*
  - *Sensing devices*
  - *Valves*
  - *Clutches*

- Kinds of control systems
  - *Fluid*
    - *Fluid jet*
    - *Pneumatic*
    - *Hydraulic*
  - *Pulse frequency modulation*

  - *Adaptive*
    - *Hill climbing*

  - *Second order*
  - *Third order*

  - *Fast model search*

  - *Linear–Relay*
  - *Non-linear*
  - *Multivariable*
  - *Modal*
  - *Multiloop*
  - *Time dependent*
  - *Relay*
  - *Discontinuous*
  - *On–Off*
  - *Discrete-continuous*
  - *Sampled data*
  - *Fast model search*

- Applications
  - Mechanical engineering
    - *Boilers*
    - *Machines*
    - *Gearboxes*
    - *Diesel engines*
    - Mechanical handling
      - *Lifts*
    - *Weighing machines*
    - *Machine tools*
      - *Lathes*
      - *Planomillers*
  - *Press brakes*
  - Electrical engineering
    - *Electric motors*
    - *Electric power systems*
      - Power stations

CONTROL SYSTEMS–SUBHEADINGS–Synopsis–cont.
Electrical engineering–*cont.*
Hydroelectric power stations
Nuclear power stations
Electronics
Crystal ovens
Nuclear reactors
Missiles
Transport
Car parks
Railways
Aircraft
Hovercraft
Ships
Warehouses

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CONTROL SYSTEMS, Adaptive : Transducers : Hot wire anemometers : Two dimensional airflow measurement : Fans. See FANS : Airflow, Two dimensional : Measurement : Anemometers, Hot wire : Transducers : Control systems, Adaptive

CONTROL SYSTEMS : Air conditioning. See AIR CONDITIONING : Control systems

CONTROL SYSTEMS : Air removal : Refrigerants : Ammonia. See AMMONIA : Refrigerants : Air removal : Control systems

CONTROL SYSTEMS (Aircraft) Modal : Analysis

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CONTROL SYSTEMS : Analysis

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CONTROL SYSTEMS : Artificial satellites : Navigation : Ships. See SHIPS : Navigation : Satellites, Artificial : Control systems

CONTROL SYSTEMS : Assembly : Carriers : Differentials : Transmissions : Motor cars. See MOTOR CARS : Transmissions : Differentials : Carriers : Assembly : Control systems

CONTROL SYSTEMS : Assembly : Motor cars. See MOTOR CARS : Assembly : Control systems

CONTROL SYSTEMS : Astronautics vehicles. See ASTRONAUTICS : Vehicles : Control systems

CONTROL SYSTEMS : Automatics : Batch production. See BATCH PRODUCTION : Automatics : Control systems

CONTROL SYSTEMS : Beam dyeing : Textiles. See TEXTILES : Dyeing, Beam : Control systems

CONTROL SYSTEMS : Bending : Pipes. See PIPES : Bending : Control systems

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CONTROL SYSTEMS : Blades : Graders : Surfaces : Roads. See ROADS : Surfaces : Graders : Blades : Control systems

CONTROL SYSTEMS : Blast furnaces : Lead production. See LEAD : Production : Blast furnaces : Control systems

CONTROL SYSTEMS : Blast furnaces : Zinc production. See ZINC : Production : Blast furnaces : Control systems

CONTROL SYSTEMS : Bleaching : Textiles. See TEXTILES : Bleaching : Control systems

CONTROL SYSTEMS : Blending : Limestone production. See LIMESTONE : Production : Blending : Control systems

CONTROL SYSTEMS : Blending : Petrol. See PETROL : Blending : Control systems

CONTROL SYSTEMS : Blending : Petroleum products. See PETROLEUM : Products : Blending : Control systems

CONTROL SYSTEMS : Blowdown : Boilers. See BOILERS : Blowdown : Control systems

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CONTROL SYSTEMS : Bottling : Beer. See BEER : Bottling : Control systems

CONTROL SYSTEMS : Brass manufactures; Rods. See RODS; Brass : Manufactures : Control systems

CONTROL SYSTEMS : Brewing. See BREWING : Control systems

CONTROL SYSTEMS : Bumper manufactures : Motor cars. See MOTOR CARS : Bumpers : Manufactures : Control systems

CONTROL SYSTEMS : Burners : Oil fired boilers. See BOILERS, Oil fired : Burners : Control systems

CONTROL SYSTEMS : Burners : Town gas. See GAS, Town : Burners : Control systems

CONTROL SYSTEMS : Cake manufactures. See CAKE : Manufactures : Control systems

CONTROL SYSTEMS : Capstan lathes. See LATHES, Capstan : Control systems

CONTROL SYSTEMS : Car parks

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CONTROL SYSTEMS : Carding : Wool. See WOOL : Carding: Control systems

CONTROL SYSTEMS : Casting : Motor vehicle parts. See MOTOR VEHICLES : Parts : Casting : Control systems

CONTROL SYSTEMS : Cement production. See CEMENT : Production : Control systems

CONTROL SYSTEMS : Centre lathes : Turning : Missile components. See MISSILES : Components : Turning : Lathes, Centre : Control systems

CONTROL SYSTEMS : Centreless grinding machines : Thin walled cylinders. See CYLINDERS, Thin walled : Grinding, Centreless : Machines : Control systems

CONTROL SYSTEMS : Centrifuges : Fish meal production. See FISH MEAL : Production : Centrifuges : Control systems

CONTROL SYSTEMS : Centrifuges : Fish oil production. See OILS, Fish : Production : Centrifuges : Control systems

CONTROL SYSTEMS : Chambers : Humidity. See HUMIDITY : Chambers : Control systems

CONTROL SYSTEMS : Chemical analysis. See ANALYSIS, Chemical : Control systems

CONTROL SYSTEMS : Chemical analysis : Feedwater : Boilers : Power stations. See POWER STATIONS : Boilers : Feedwater : Analysis : Control systems

CONTROL SYSTEMS : Chemical engineering. See CHEMICAL ENGINEERING : Control systems

CONTROL SYSTEMS : Chocolate manufacture. See CHOCOLATE : Manufactures : Control systems

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COOLING

Related Headings:

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Related Headings–*cont.*

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DIESEL ENGINES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following

- *History*

- *Research*

- Problems
  - *Noise*

- Properties
  - *Vibrations*

- Technical activities
  - *Testing*
  - *Manufactures*
  - Operation
    - *Ignition*
    - *Starting*

- Feed materials
  - *Charge air*

- Parts
  - *Cylinders*
  - *Pistons*
  - *Piston rings*
  - *Crank pins*
  - *Valves*
  - *Connecting rods*
  - *Fuel injection : Equipment*
    - *Fuel injection pumps*
  - *Superchargers*
  - *Turbochargers*
  - *Control systems*

- Ancillaries
  - *Transmissions*
- Kinds of diesel engines
  - *Air cooled*
  - *Two stroke*
  - *Turbocharged*
  - *Compound*

- Applications
  - Generators, Electrical
    - *Alternators*
  - *Motor vehicles*
    - Commercial vehicles
      - *Lorries*
      - *Buses*
      - *Motor coaches*
    - *Motor cars*
  - Railway vehicles
    - *Locomotives*
  - Marine
    - *Ships*
      - *Warships*

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- CORONA
- GAS DISCHARGE
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- COMMUNICATIONS : Engineering
- CONDUCTANCE
- CONNECTIONS, Electrical
- CURRENT
- D.C.
- EARTHING
- EDDY CURRENT
- ELECTRETS
- ELECTRICAL EQUIPMENT
- ELECTRICAL INSTALLATIONS
- ELECTRICAL MACHINERY
- ELECTRICAL MEASUREMENT
- ELECTROMAGNETIC
- ELECTROMAGNETISM
- ELECTRONICS
- IMPEDANCE
- INDUCTANCE
- INDUCTION
- MAGNETIC
- NETWORKS, Electrical
- PHASE ANGLE
- PIEZOELECTRICITY
- POTENTIAL
- POWER FACTOR
- POWER PLANT
- POWER SUPPLIES
- RESISTANCE
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- ELECTRODES
- FUSES
- INDUCTORS
- INSULATORS
- INVERTERS
- MAGNETS
- PLUGS, Electrical
- POTENTIOMETERS
- RECTIFIERS
- RESISTORS
- RESONATORS
- SOCKETS, Electrical

ELECTRICAL ENGINEERING : Components

Related Headings—*cont.*

- SWITCHBOARDS
- SWITCHES
- SWITCHGEAR
- TERMINALS, Electrical
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ELECTRICAL MACHINERY

Related Headings:

A.C. MACHINES
ARMATURES
COMMUTATORS
D.C. MACHINES
ELECTRIC MOTORS
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ENGINES
Related Headings:
COMBUSTION CHAMBERS

ENGINES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Types
    - *Internal combustion*
        - *Rotary*
        - *Dual fuel*
- Applications
    - *Rockets*
        - *Aircraft*
            - *Helicopters*
        - *Hovercraft*
        - *Ships*
        - *Motor vehicles*
            - *Motor cars*
            - *Vans*
            - *Buses*
        - *Lorry–Trailer combinations*
            - *Motor cycles*

ENGINES : Aircraft
Aero engines 1968. Flight, 93 (4 Jan 68) p.19-30. il.
Propulsion. L.G. Dawson & J.B. Holliday. Aeronautical J., 72 (Sep 68) p.739-47

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Electron beam welding by Rolls-Royce. Engineering, 206 (5 Jul 68) p.23-4. il.

ENGINES (Aircraft) Components : Machining
New methods of machining [ECM, EDM & ELG] A.H. Maleka. Production, 44 (Sep 68) p.49+

ENGINES (Aircraft) Components : Machining : Machine tools : Cutters, Helical : Regrinding : Machines
Accurate helical cutter grinding [Tacchella 6AP] Tooling, 22 (Oct 68) p.29-30. il.

ENGINES (Aircraft) History
Fifty years of engineering learning. F.R. Banks. Aeronautical J., 72 (Mar 68) p.209-28. il. refs.

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Lubrication in R-R machine shops [Rolls-Royce, Derby works] Engineering, 206 (12 Jul 68) p.70-3. il.

ENGINES (Aircraft) Research

Adrian Albert Lombard, C.B.E., Fellow 1915-1967. S.G. Hooker. J. of R. Aeronautical Soc., 71 (Dec 67) p.807-9

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Seals and seating for a special valve [Newman Hender (Woodchester) Ltd.: for Bristol Siddeley Engines Ltd.] R.J. Bircham. Engineer, 224 (29 Dec 67) p.851-2. il.

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Trends in vibration monitoring. Aeroplane, 116 (10 Jul 68) p.23-5. il.

Trends in vibration monitoring. Tech Air, 24 (Sep 68) p.15-18. il.

Trends in vibration monitors.. Aeroplane, 115 (19 Jun 68) p.24. il.

ENGINES : Artificial satellites. See SATELLITES, Artificial : Engines

ENGINES (Buses) Blocks : Repair : Stitching

Repairing cracked cylinder blocks. Commercial Vehicles, 42 (Nov 68) p.38-40. il.

Restoration of cracked cylinder blocks [Metalock] Transport J., 27 (Oct 68) p.12-13. il.

ENGINES : Commercial vehicles. See VEHICLES, Commercial : Engines

ENGINES : Cutting machines : Grass. See GRASS : Cutting : Machines : Engines

ENGINES, Diesel. See DIESEL ENGINES

ENGINES : Diesel locomotives. See LOCOMOTIVES, Diesel : Engines

ENGINES, Direct combustion

Related Headings:
- RAMJETS
- TURBOCHARGERS

ENGINES, Dual fuel

Dual-fuel engines [Mirrlees] Gas J., 336 (20 Nov 68) p.295-6. il.

Mirrlees diesel runs on natural gas. Engineer, 226 (15 Nov 68) p.745-6

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Knock in dual-fuel engines. G.A. Karim, S.R. Klat & N.P.W. Moore. Instn. of Mechanical Engrs. Proc., 181 pt.1 no.20 (1966-67) p.453-66. il. refs.

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Speed control for an electric dynamometer. R.A. Stevens. Bull. of Mechanical Engng. Education, 7 (Apr/Jun 68) p.153-6. il.

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ENGINES, Internal combustion

Related Headings:
- GAS TURBINES
- TURBOCHARGERS

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Inertia theory of engine breathing. Pt.1: basic conclusions from the theory and the failure of existing theories of gas speed. F.R.B. King. Automobile Engr., 58 (Mar 68) p.94-101. refs.

Inertia theory of engine breathing. Pt.2: elements of the inertia theory: single inlet valves. F.R.B. King. Automobile Engr., 58 (Apr 68) p.135-46. ref.

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ENGINES : Racing motor cars. See MOTOR CARS, Racing : Engines

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EVIDENCE : Weighing. See INFERENCE, Probabilistic

EXAMINATIONS : Architecture education. See ARCHITECTURE : Education : Examinations

EXAMINATIONS : Building education. See BUILDING : Education : Examinations

EXAMINATIONS : Chemistry education. See CHEMISTRY : Education : Examinations

EXAMINATIONS : Computer education. See COMPUTERS : Education : Examinations

EXAMINATIONS : Education. See EDUCATION : Examinations

EXAMINATIONS : Footwear education. See FOOTWEAR : Education : Examinations

EXAMINATIONS : Universities. See UNIVERSITIES : Examinations

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EXCHANGES, Electronic : Telephony. See TELEPHONY, Automatic : Exchanges, Electronic

EXCHANGES, Private branch : Automatic telephony. See TELEPHONY, Automatic : Exchanges, Private branch

EXCHANGES, Private branch : Telephony. See TELEPHONY : Exchanges, Private branch

EXCHANGES : Pulse code modulation telephony. See TELEPHONY, Modulation, Pulse code : Exchanges

EXCHANGES : Telephony. See TELEPHONY : Exchanges

EXCITED PARTICLES : Ionisation : Gases. See GASES : Ionisation : Excited particles

EXCITED STATES : Benzene. See BENZENE : Excited states

EXCITED STATES : Naphthalene. See NAPHTHALENE : Excited states

EXCITERS : Alternators. See ALTERNATORS : Exciters

EXCITERS, Rectifier : Salient pole synchronous electric motors. See ELECTRIC MOTORS, Synchronous,, Salient pole : Exciters, Rectifier

EXCITERS : Synchronous electric motors. See ELECTRIC MOTORS, Synchronous :

EXCITERS : Transmitters : V.H.F. radio. See RADIO, V.H.F. : Transmitters : Exciters
EXCLUSIVE-OR SWITCHING CIRCUITS : Phase meters. See PHASE METERS : Switching circuits, EXCLUSIVE-OR
EXCRETA. See FAECES
EXE VALLEY
See
RIVERS : Floods : Control .. Exe Valley
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EXETER
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HOUSES : Modernisation : Town planning .. Exeter
TOWN PLANNING .. Exeter
TRAFFIC ENGINEERING .. Exeter
EXHAUST : Gas turbines : Aircraft. See AIRCRAFT : Gas turbines : Exhaust
EXHAUST : Motor cars. See MOTOR CARS : Exhaust
EXHAUST : Motor vehicles. See MOTOR VEHICLES : Exhaust
EXHAUST : Motor vehicles : Air pollution. See AIR POLLUTION : Motor vehicles : Exhaust
EXHAUST : Valves : Turbocharged diesel engines. See DIESEL ENGINES, Turbocharged : Valves : Exhaust
EXHAUST MANIFOLDS : Engines : Motor cars. See MOTOR CARS : Engines : Exhaust manifolds
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EXPANDING : Brass; Tubes. See TUBES; Brass : Expansion
EXPANDING : Cast austenitic stainless steel; Tubes. See TUBES; Steel, Stainless,, Austenitic ,, Cast : Expanding
EXPANDING CONCRETE. See CONCRETE, Expanding
EXPANDING MANDRELS. See MANDRELS, Expanding
EXPANSION : Air jets. AIR JETS : Expansion
EXPANSION, Axisymmetric : Monatomic gases. See GASES, Monatomic : Expansion, Axisymmetric
EXPANSION : Bricks. See BRICKS : Expansion
EXPANSION : Cement. See CEMENT : Expansion
EXPANSION : Ceramics. See CERAMICS : Expansion
EXPANSION, Thermal. See THERMAL EXPANSION
EXPANSION, Thermal : Alloys. See ALLOYS : Expansion, Thermal
EXPANSION, Thermal : Asperities : Sliding contact. See SLIDING CONTACT : Asperities : Thermal expansion
EXPANSION, Thermal : Ceramics; Shell moulds. See MOULDS, Shell; Ceramics : Thermal expansion
EXPANSION, Thermal : Clays : Ceramics. See CERAMICS : Clays : Expansion, Thermal
EXPANSION, Thermal : Concrete; Walls : Filters : Sewage treatment. See SEWAGE : Treatment : Filters : Walls; Concrete : Thermal expansion
EXPANSION, Thermal : Fibres : Wool. See WOOL : Fibres : Thermal expansion
EXPANSION, Thermal : Iron. See IRON : Thermal expansion
EXPANSION, Thermal : Magnetostriction : Single crystals : Terbium. See TERBIUM : Crystals, Single : Magnetostriction : Thermal expansion
EXPANSION, Thermal : Palladium. See PALLADIUM : Expansion, Thermal
EXPANSION, Thermal : Rubber. See RUBBER : Thermal expansion
EXPANSION, Thermal : Silver. See SILVER : Expansion, Thermal
EXPANSION, Thermal : Single crystals : Caesium bromide. See CAESIUM BROMIDE : Crystals, Single : Thermal expansion
EXPANSION, Thermal : Single crystals : Caesium chloride. See CAESIUM CHLORIDE : Crystals, Single : Thermal expansion
EXPANSION, Thermal : Single crystals : Caesium iodide. See CAESIUM IODIDE : Crystals, Single : Thermal expansion
EXPANSION, Thermal : Solids. See SOLIDS : Thermal expansion
EXPANSION, Thermal : Titanium. See TITANIUM : Thermal expansion
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EXPERIMENTS, Factorial : Stored freeze dried beef. See BEEF, Freeze dried ,, Stored : Experiments, Factorial
EXPLOSIONS : Argon-Hydrogen-Oxygen. See ARGON-HYDROGEN-OXYGEN : Explosions
EXPLOSIONS : Atmosphere. See ATMOSPHERE : Explosions
EXPLOSIONS : Benzoyl peroxide. See BENZOYL PEROXIDE : Explosions
EXPLOSIONS : Collapse : Prefabricated flats. See FLATS, Prefabricated : Collapse : Explosions
EXPLOSIONS : Dam construction. See DAMS : Construction : Explosions

EXPLOSIONS : Deviation : Rivers. See RIVERS : Deviation : Explosions

EXPLOSIONS : Dust : Flour. See FLOUR : Dust : Explosions

EXPLOSIONS : Food processing. See FOOD : Processing : Explosions

EXPLOSIONS : Fuel tanks : Scrap disposal : Motor cars. See MOTOR CARS : Scrap : Disposal : Fuel tanks : Explosions

EXPLOSIONS : Hydrazine. See HYDRAZINE : Explosions

EXPLOSIONS : Hydrogen–Air. See HYDROGEN–AIR : Explosions

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EXPLOSIVE GASES. See GASES, Explosive

EXPLOSIVES

Related Headings:

AMMONIUM NITRATE–FUEL OIL
NITROGLYCERIN

EXPLOSIVES : Expanding : Brass; Tubes. See TUBES; Brass : Expanding : Explosives

EXPLOSIVES : Extrusion : Metals. See METALS : Extrusion : Explosives

EXPLOSIVES : Forming : Dies. See DIES : Forming : Explosives

EXPLOSIVES : Forming : Metals. See METALS : Forming : Explosives

EXPLOSIVES : Forming : Metals; Gas turbine components. See GAS TURBINES : Components; Metals : Forming : Explosives

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EXPLOSIVES : Welding. See WELDING : Explosives

EXPLOSIVES : Welding : Metals; Pipes. See PIPES; Metals : Welding : Explosives

EXPLOSIVES : Welding : Plate–Tube assemblies. See PLATE–TUBE ASSEMBLIES : Welding : Explosives

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EXPRESSWAYS, Transit. See TRANSIT EXPRESSWAYS

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EXTENSIBLE PAPER. See PAPER, Extensible

EXTENSOMETERS. See STRAIN GAUGES

EXTERNAL DECORATION : Buildings. See BUILDINGS : Decoration, External

EXTINGUISHERS : Fires. See FIRES : Extinguishers

EXTRACTION, Solvent. See SOLVENT EXTRACTION

EXTRACTION, Solvent : Amonia solutions : Sodium : Hydrogenated bituminous coal. See COAL, Bituminous,, Hydrogenated : Sodium : Ammonia solutions : Solvent extraction

EXTRACTION, Solvent : Aqueous solutions : Salts. See SALTS : Solutions, Aqueous : Solvent extraction

EXTRACTION, Solvent : Coal. See COAL : Solvent extraction

EXTRACTION, Solvent : Cyclohexane. See CYCLOHEXANE : Solvent extraction

EXTRACTION, Solvent : Esters. See ESTERS : Solvent extraction

EXTRACTION, Solvent : Grease determination : Leather. See LEATHER : Determination of grease : Solvent extraction

EXTRACTION, Solvent : Heated bituminous coal. See COAL, Bituminous,, Heated : Solvent extraction

EXTRACTION, Solvent : Hydrochloric acid. See HYDROCHLORIC ACID : Solvent extraction

EXTRACTION, Solvent : Isomers : Chlorotoluene. See CHLOROTOLUENE : Isomers : Solvent extraction

EXTRACTION, Solvent : Perfumes. See PERFUMES : Solvent extraction

EXTRACTION, Solvent : Phenol. See PHENOL : Solvent extraction

EXTRACTION, Solvent : Polycyclic aromatic hydrocarbons : Smoke : Cigarettes. See CIGARETTES : Smoke : Hydrocarbons, Aromatic,, Polycyclic : Solvent extraction

EXTRACTION, Solvent : Protein : Flour. See FLOUR : Protein : Solvent extraction

EXTRACTION, Solvent : Protein : Leaves : Broad beans. See BROAD BEANS : Leaves : Protein : Solvent extraction

EXTRACTION, Solvent : Purification : Dyes. See DYES : Purification : Solvent extraction

EXTRACTION, Solvent : Semolina. See SEMOLINA : Solvent extraction

EXTRACTION, Solvent : Syntans removal : Powders : Hides. See HIDES : Powders : Syntans : Removal : Solvent extraction

EXTRACTION, Solvent : Vegetable tannins removal : Powders : Hides. See HIDES : Powders : Tannins, Vegetable : Removal : Solvent extraction

EXTRACTION, Solvent : Vitrain. See VITRAIN : Solvent extraction

EXTRACTION, Solvent : Wheat. See WHEAT : Solvent extraction

EXTRACTION, Solvent : Yield testing : Raw wool. See WOOL, Raw : Yield testing : Solvent extraction

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EXTRUDED MAGNESIUM-MANGANESE-ZINC. See MAGNESIUM-MANGANESE-ZINC, Extruded
EXTRUDED POLYTHENE; Electric cables. See CABLES, Electric; Polythene, Extruded
EXTRUDERS, Blowing : Plastics; Film. See FILM; Plastics : Extruders, Blowing
EXTRUDERS : Plastics. See PLASTICS : Extruders
EXTRUDERS, Screw : Polymers. See POLYMERS : Extruders, Screw
EXTRUDERS : Thermoplastics. See THERMOPLASTICS : Extruders
EXTRUSION : Aluminium : Sheathing : Electric cables. See CABLES, Electric : Sheathing : Aluminium : Extrusion
EXTRUSION : Aluminium alloys. See ALUMINIUM : Alloys : Extrusion
EXTRUSION : Brass. See BRASS : Extrusion
EXTRUSION, Cold : Aluminium. See ALUMINIUM : Extrusion, Cold
EXTRUSION, Cold : Aluminium; Rods-Cans. See RODS-CANS; Aluminium : Extrusion, Cold
EXTRUSION, Cold : Aluminium; Tubes-Cans. See TUBES-CANS; Aluminium : Extrusion, Cold
EXTRUSION, Cold : Cans : Fuel elements : Nuclear reactors. See NUCLEAR REACTORS : Fuel elements : Cans : Extrusion, Cold
EXTRUSION, Cold : Gudgeon pins : Engines : Motor cars. See MOTOR CARS : Engines : Gudgeon pins : Extrusion, Cold
EXTRUSION, Cold : Low alloy steel. See STEEL, Low alloy : Extrusion, Cold
EXTRUSION, Cold : Metals. See METALS : Extrusion, Cold
EXTRUSION, Cold : Metals; Bars. See BARS; Metals : Extrusion, Cold
EXTRUSION, Cold : Non-ferrous metals. See NON-FERROUS METALS : Extrusion, Cold
EXTRUSION, Cold : Rotary pumps : Air injection : Exhaust : Motor cars. See MOTOR CARS : Exhaust : Air injection : Pumps, Rotary : Extrusion, Cold
EXTRUSION, Cold : Steel. See STEEL : Extrusion, Cold
EXTRUSION, Cold : Steel; Pistons : Hydraulic motors. See HYDRAULIC MOTORS : Pistons; Steel : Extrusion, Cold
EXTRUSION, Cold : Steel; Rods-Cans. See RODS-CANS; Steel : Extrusion, Cold

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EXTRUSION : Metals. See METALS : Extrusion
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EXTRUSION : Thermoplastics. See THERMOPLASTICS : Extrusion
EXTRUSION : Yarns : Backing : Tufted carpets. See CARPETS, Tufted : Backing : Yarns : Extrusion
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FABRIC FILTERS : Dust. See DUST : Filters, Fabric
FABRIC FILTERS : Sterilisation : Air. See AIR : Sterilisation : Filters, Fabric
FABRIC PRESSES : Papermaking. See PAPERMAKING : Presses, Fabric
FABRICS
Related Headings:
RIBBONS
SURGICAL DRESSINGS
TERRY CLOTH
WEAVING

FABRICS-SUBHEADINGS-Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Problems
    - *Faults*
    - *Shrinkage*
    - *Soiling*

- Properties
    - Geometry
        - *Weave*
            - *Pick spacing*
    - Mechanical properties
        - *Bending*
    - *Drape*
    - *Thermal conductivity*
    - *Flame resistance*

- Technical activities
    - *Manufactures*
        - *Wet processing*
        - *Scouring*
        - *Drying*
        - *Finishing*
            - *Back filling*
            - *Finishes*
            - *Crease setting*
        - *Laminating*
        - *Raising*
        - *Bleaching*
        - *Dyeing*
        - *Printing*
    - Packaging
        - *Labels*

FABRICS–SUBHEADINGS–Synopsis–cont.

- Types of fabrics
  - *Crease resistant*
  - *Non-woven*
  - *Knitted*
    - *Warp knit*
  - *Backed*
    - *Foamback*
  - *Coated*
  - *Compound*
  - *Pile*
    - *Film*

- Types by material
  - *Blended*
  - *Cellulosic*
  - *Cellulosic–Man-made fibres*
    - *Cellulosic–Acrylic copolymers*
    - *Cellulosic–Polyester fibres*
  - *Cotton*
  - *Cotton–Polyester fibres*
  - *Wool*
  - *Man-made fibres*
    - Cellulosic
      - *Rayon*
      - *Cellulose acetate*
      - *Cellulose triacetate*
      - *Courtelle*
    - Polyamides
      - *Nylon*
    - *Polyester fibres*
      - *Terylene*
    - Acrylic fibres
      - *Acrilan*
      - *Courtelle*
    - *Polyurethane*

FABRICS; Acrilan : Clothing. See CLOTHING : Fabrics; Acrilan

FABRICS; Acrilan : Manufactures : Testing

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FABRICS; Acrylic fibres : Furnishings. See FURNISHINGS : Fabrics; Acrylic fibres

FABRICS : Back filling

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FABRICS, Backed, Imitation

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FABRICS : Backing : Thermoplastics; Upholstery : Motor cars. See MOTOR CARS : Upholstery; Thermoplastics : Backing : Fabrics

FABRICS : Bending : Elastic recovery

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COINS : Manufactures : Factories
COSMETICS : Manufactures : Factories
DRESSES : Manufactures : Factories
ELECTRONICS : Components : Manufactures : Factories
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GLASS : Manufactures : Factories
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LABELS : Manufactures : Factories
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FILTERS : Lubricating oils : Engines : Motor vehicles. See MOTOR VEHICLES : Engines : Lubricating oils : Filters

FILTERS : Lubricating oils : Gas engines. See GAS ENGINES : Lubricating oils : Filters

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FILTERS : Paint. See PAINT : Filters

FILTERS : Paint manufactures. See PAINT : Manufactures : Filters

FILTERS : Pressure control : Natural gas. See GAS, Natural : Pressure control : Filters

FILTERS, Rotary : Phosphoric acid production. See PHOSPHORIC ACID : Production : Filters, Rotary

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FILTERS : Ventilation. See VENTILATION : Filters

FILTRATION

Related Headings:

FILTER PRESSES
FILTERS

FILTRATION : Calves : Blood : Serum production. See SERUMS : Production : Blood : Calves : Filtration

FILTRATION, Cold : Hair preparations. See HAIR PREPARATIONS : Filtration, Cold

FILTRATION : Cutting fluids. See CUTTING FLUIDS : Filtration

FILTRATION : Dewatering : Sludge. See SLUDGE : Dewatering : Filtration

FILTRATION : E.D.T.A. : Viscose rayon manufactures. See RAYON, Viscose : Manufactures : E.D.T.A. : Filtration

FILTRATION : Fluids : Hydraulic systems. See HYDRAULIC MACHINERY : Fluids : Filtration

FILTRATION, Gel. See GEL FILTRATION

FILTRATION, Gel : Residues : Pesticides : Grain. See GRAIN : Pesticides : Residues : Gel filtration

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FILTRATION : Liquid hydrocarbons. See HYDROCARBONS, Liquid : Filtration

FILTRATION : Sewage treatment. See SEWAGE : Treatment : Filtration

FILTRATION : Stock : Kraft paper manufactures. See PAPER, Kraft : Manufactures : Stock : Filtration

FIN ROLL STABILISERS : Motor boats. See BOATS, Motor : Roll stabilisers, Fin

FINE BLANKING. See BLANKING, Fine

FINE CHEMICALS. See CHEMICALS, Fine

FINGER JOINTING : Wood. See WOOD : Jointing, Finger

FINING YEAST. See YEAST, Fining

FINISHES : Aluminium : Building materials. See ALUMINIUM : Building materials : Finishes

FINISHES : Bodies : Commercial vehicles. See VEHICLES, Commercial : Bodies : Finishes

FINISHES : Cases : Watches. See WATCHES : Cases : Finishes

FINISHES, Flameproof : Fabrics. See FABRICS : Finishes, Flameproof

FINISHES : Walls : Milking parlours. See MILKING PARLOURS : Walls : Finishes

FINISHES, Water repellent : Cotton; Fabrics. See FABRICS; Cotton : Finishes, Water repellent

FINISHING

Related Headings:

ANODISING
BUFFING
BURNISHING
COATING
DEBURRING
DIAMOND FINISHING
HONING
LAPPING
POLISHING

FINISHING : Aluminium : Building materials. See ALUMINIUM : Building materials : Finishing

FINISHING : Concrete. See CONCRETE : Finishing

FINISHING : Concrete; Buildings. See BUILDINGS; Concrete : Finishing

FINISHING : Cotton–Polyester fibres; Bed sheets. See BED SHEETS; Cotton–Polyester fibres : Finishing

FINISHING : Cotton–Terylene; Bed sheets. See BED SHEETS; Cotton–Terylene : Finishing

FINISHING : Crease resistant cellulosic fabrics. See FABRICS, Cellulosic,, Crease resistant : Finishing

FINISHING : Crease resistant cotton fabrics. See FABRICS; Cotton,, Crease resistant : Finishing

FINISHING : Crease resistant fabrics. See FABRICS, Crease resistant : Finishing

FINISHING : Die castings. See DIE CASTINGS : Finishing

FINISHING : Die castings : Zinc alloys. See ZINC : Alloys : Die castings : Finishing

FINISHING : Effect on strength : Ceramics. See CERAMICS : Strength : Effect of finishing

FINISHING : Enclosures : Loudspeakers. See LOUDSPEAKERS : Enclosures : Finishing

FINISHING : Fabrics. See FABRICS : Finishing

FINISHING : Fabrics : Furnishings. See FURNISHINGS : Fabrics : Finishing

FINISHING : Fabrics : Knitwear. See KNITWEAR : Fabrics : Finishing

FINISHING : Felting resistant wool fabrics. See FABRICS; Wool,, Felting resistant : Finishing

FINISHING : Gears. See GEARS : Finishing

FINISHING : Hardfacing. See HARDFACING : Finishing

FINISHING : Heating equipment : Buildings. See BUILDINGS : Heating : Equipment : Finishing

FINISHING : Knitted fabrics. See FABRICS, Knitted : Finishing

FINISHING : Knitwear. See KNITWEAR : Finishing

FINISHING : Metals. See METALS : Coating

FINISHING : Metals. See METALS : Finishing

FINISHING : Nylon; Stockings. See STOCKINGS; Nylon : Finishing

FINISHING : Paper. See PAPER : Finishing

FINISHING : Racquets : Sports equipment. See RACQUETS : Sports equipment : Finishing

FINISHING : Ribbons. See RIBBONS : Finishing

FINISHING, Roll : Gears : Motor cars. See MOTOR CARS : Gears : Roll finishing

FINISHING : Shrink resistant fabrics : Knitwear. See KNITWEAR : Fabrics, Shrink resistant : Finishing

FINISHING : Shrink resistant knitted wool; Fabrics. See FABRICS; Wool,, Knitted,, Shrink resistant : Finishing

FINISHING : Shrink resistant wool fabrics. See FABRICS; Wool,, Shrink resistant : Finishing

FINISHING : Shrink resistant wool fabrics ': Knitwear. See Knitwear : Fabrics; Wool,, Shrink resistant : Finishing

FINISHING : Shrink resistant yarns : Knitting. See KNITTING : Yarns, Shrink resistant : Finishing

FINISHING : Steel; Furniture : Offices. See OFFICES : Furniture; Steel : Finishing

FINISHING : Stockings. See STOCKINGS : Finishing

FINISHING : Textiles. See TEXTILES : Finishing

FINISHING, Vibratory : Die castings. See DIE CASTINGS : Finishing, Vibratory

FINISHING : Warp knitted nylon; Fabrics. See FABRICS; Nylon,, Knitted, Warp : Finishing

FINISHING : Wood. See WOOD : Finishing

FINISHING : Wood; Furniture. See FURNITURE; Wood : Finishing

FINISHING : Wood; Furniture : Bedrooms. See BEDROOMS : Furniture; Wood : Finishing

FINISHING : Wood; Handles : Brushes. See BRUSHES : Handles; Wood : Finishing

FINISHING : Wool; Fabrics. See FABRICS; Wool : Finishing

FINITE AMPLITUDE INSTABILITY : Cylindrical jets : Liquids. See LIQUIDS : Jets, Cylindrical : Instability, Finite amplitude

FINITE AMPLITUDE WAVES : Flow : Channels. See CHANNELS : Flow : Waves, Finite amplitude

FINITE DIFFERENCE APPROXIMATION : Axisymmetric field calculations. See FIELDS, Axisymmetric : Calculations : Finite difference approximation

FINITE DIFFERENCE APPROXIMATION : Non-linear hyperbolic partial differential equations. See DIFFERENTIAL EQUATIONS, Partial,, Hyperbolic,, Non-linear : Finite difference approximation

FINITE ELEMENTS : Beam analysis : Elastic foundations. See FOUNDATIONS, Elastic : Beams : Analysis : Finite elements

FINITE ELEMENTS : Bending analysis : Rectangular plates. See PLATES, Rectangular : Bending : Analysis : Finite elements

FINITE ELEMENTS : Elastic compression analysis : Rock. See ROCK : Compression, Elastic : Analysis : Finite elements

FINITE ELEMENTS : Elastic–Plastic stress analysis. See STRESSES, Elastic–Plastic : Analysis : Finite elements

FINITE ELEMENTS, Hexahedral : Analysis : Structures : Aircraft. See AIRCRAFT : Structures : Analysis : Finite elements, Hexahedral

FINITE ELEMENTS : Moiré fringes : Interferometry : Strain analysis. See STRAIN ANALYSIS : Interferometry : Moiré fringes : Finite elements

FINITE ELEMENTS : Non-linear buckling analysis : Spherical shells. See SHELLS, Spherical : Buckling, Non-linear : Analysis : Finite elements

FINITE ELEMENTS : Plane elastic deformation analysis. See ELASTIC DEFORMATION, Plane : Analysis : Finite elements

FINITE ELEMENTS : Plate analysis : Elastic foundations. See FOUNDATIONS, Elastic : Plates : Analysis : Finite elements

FINITE ELEMENTS : Structural analysis. See STRUCTURAL ANALYSIS : Finite elements

FINITE ELEMENTS : Structural analysis : Aircraft. See AIRCRAFT : Structures : Analysis : Finite elements

FINITE ELEMENTS : Structural analysis : Concrete; Slabs : Bridges. See BRIDGES : Slabs; Concrete : Structural analysis : Finite elements

FINITE ELEMENTS : Structural analysis : Ring beams : Reinforced concrete; Cooling towers. See COOLING TOWERS; Concrete, Reinforced : Beams, Ring : Structural analysis : Finite elements

FINITE ELEMENTS : Structural analysis : Swept wings : Aircraft. See AIRCRAFT : Wings, Swept : Structural analysis : Finite elements

FINITE ELEMENTS, Tetrahedral : Structural analysis : Aircraft. See AIRCRAFT : Structures : Analysis : Finite elements, Tetrahedral

FINITE ELEMENTS, Triangular : Bending analysis : Circular cylindrical shells. See SHELLS, Cylindrical,, Circular : Bending : Analysis : Finite elements, Triangular

FINITE ELEMENTS, Triangular : Bending analysis : Plates. See PLATES : Bending : Analysis : Finite elements, Triangular

FINITE ELEMENTS, Triangular : Stresses : Analysis : Prestressed concrete; Pressure vessels : Nuclear reactors. See NUCLEAR REACTORS : Pressure vessels; Concrete, Prestressed : Stresses : Analysis : Finite elements, Triangular

FINITE ELEMENTS : Vibration analysis : Rectangular plates. See PLATES, Rectangular : Vibrations : Analysis : Finite elements

FINITE PULSE WIDTH SAMPLED DATA CONTROL SYSTEMS. See CONTROL SYSTEMS, Sampled data,, Finite pulse width

FINITE STATE SYSTEMS : Control systems. See CONTROL SYSTEMS : Finite state systems

FINITE STRIPS : Elastic analysis : Variable thickness plates. See PLATES, Variable thickness : Elastic analysis : Finite strips

FINLAND
See
ARCHITECTURE .. Finland
BUILDINGS: Town planning .. Helsinki
CHURCHES .. Tampere
ELECTRICAL EQUIPMENT : Manufactures .. Finland
FOOD, Frozen .. Finland
INSTRUMENTS : Manufactures .. Finland
PULP, Chemical : Production .. Finland
ROADS : Snow clearance .. Finland
TRAMWAYS .. Finland

FINNED TUBES : Air cooled heat exchangers. See HEAT : Exchangers, Air cooled : Tubes, Finned

FINNED TUBES : Boilers : Nuclear power stations. See NUCLEAR POWER STATIONS : Boilers : Tubes, Finned

FINNED TUBES : Heat exchangers : Refrigerators. See REFRIGERATORS : Heat exchangers : Tubes, Finned

FINNING : Heat sinks : Semiconductors. See SEMICONDUCTORS : Heat sinks : Finning

FINNISH BIRCH; Plywood. See PLYWOOD; Finnish birch

FIR, Canadian; Plywood. See PLYWOOD; Canadian fir

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FIRES : Flammable liquids. See LIQUIDS, Flammable : Fires

FIRES : Food processing. See FOOD : Processing : Fires

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FIRES : Mining : Coal. See COAL : Mining : Fires

FIRES : Motor boats. See BOATS, Motor : Fires

FIRES : Motor cars. See MOTOR CARS : Fires

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FIRES : Storage buildings. See STORAGE BUILDINGS : Fires

FIRES : Supersonic aircraft. See AIRCRAFT, Supersonic : Fires

FIRES : Turbojets : Supersonic aircraft. See AIRCRAFT, Supersonic : Turbojets : Fires

FIRST FLIGHT NEUTRONS : Coupled core nuclear reactors. See NUCLEAR REACTORS, Coupled core : Neutrons, First flight

FIRST PASSAGE PROBLEM : Random vibrations. See VIBRATIONS, Random : First passage problem

FISH

Related Headings :

COD
EELS
HAKE
HALIBUT
HERRINGS
SARDINES
SAURIES
SPRATS
TROUT
TUNAS

FISH, Canned

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FISH MEAL : Production : Drying : Conveyors, Vibratory
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Hugh volume handled by floating factories ['Willem Barendsz' and 'Suiderkruis'] Fishing News International, 7 (Sep 68) p.26+. il.

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FISH MEAL–MAIZE GLUTEN : Poultry feedingstuffs : Egg production. See EGGS : Production : Poultry feedingstuffs : Fish meal–Maize gluten

FISH OILS. See OILS, Fish

FISHERY RESEARCH REFRIGERATED STERN TRAWLERS. See TRAWLERS, Stern,, Refrigerated,, Fishery research

FISHERY RESEARCH SHIPS. See SHIPS, Fishery research

FISHERY RESEARCH STERN TRAWLERS. See TRAWLERS, Stern,, Fishery research

FISHING
Related Headings:
- HALIBUT : Fishing
- HERRINGS : Fishing
- PRAWNS : Fishing
- SAURIES : Fishing

FISHING
Related Headings–*cont.*
- SCALLOPS : Fishing
- SHELLFISH
- TRAWLING
- TUNAS : Fishing

FISHING : Echo sounding
Confusing echoes. Pt.2: night, ground and fish effects. C. Drever. World Fishing, 17 (Jun 68) p.36-8. il.
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Steered narrow beam echo sounder system [WFA Industrial Development Unit & Kelvin Hughes Ltd.] C. Drever & G. Ellis. World Fishing, 17 (Sep 68) p.54-7. il.

FISHING : Echo sounding : Noise : Sand eels
Confusing echoes. Pt.1: sandeels. C. Drever & G. Ellis. World Fishing, 17 (May 68) p.30-2. il.

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Denmark still backs small boat operation: over fifteen hundred vessels catch 600,000 tons of fish. World Fishing, 17 (May 68) p.34-5. il.
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Ideas, small vessels, fishing harbours and busy boatyards. Fishing News International, 6 (Dec 67) p.35-6

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Italy–the state of the industry. World Fishing, 17 (Feb 68) p.33. il.

FISHING : Industry .. Japan
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FISHING : Industry .. Norway
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FISHING : Industry .. Philippines
Philippine fisheries fight to keep pace with home demand. Pt.1: deepsea fishing industry. M. Trayer. Fishing News International, 7 (Aug 68) p.26+. il.
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SEINES
TRAWLS

FISHING .. Philippines
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From small village to leading Danish fishing port. World Fishing, 17 (May 68) p.38-9. il.

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Related Headings:
SEINERS
TRAWLERS
TUNAS : Fishing : Vessels

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Fishing-vessel classification. J.O. Traung. Ship & Boat Builder, 20 (Dec 67) p.26-7

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FISHING : Vessels : Hulls; Plastics, Reinforced : Glass fibre
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FISHING : Vessels : Ice accumulation
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FISSION : Isotopes : Uranium; Cluster rod fuel elements : Heavy water moderated nuclear reactors. See NUCLEAR REACTORS, Heavy water moderated : Fuel elements, Rod,, Cluster; Uranium : Isotopes : Fission

FISSION, Nuclear, Spontaneous : Uranium; Fuels : Sub-critical assemblies. See SUB-CRITICAL ASSEMBLIES : Fuels; Uranium : Spontaneous fission

FISSION : Nuclei : Californium-252. See CALIFORNIUM-252 : Nuclei : Fission

FISSION : Nuclei : Plutonium-239. See PLUTONIUM-239 : Nuclei :

FISSION : Nuclei : Plutonium-240. See PLUTONIUM-240 : Nuclei : Fission

FISSION : Nuclei : Plutonium-241. See PLUTONIUM-241 : Nuclei : Fission

FISSION : Nuclei : Plutonium-242. See PLUTONIUM-242 : Nuclei : Fission

FISSION : Nuclei : Uranium-233. See URANIUM-233 : Nuclei : Fission

FISSION : Nuclei : Uranium-235. See URANIUM-235 : Nuclei : Fission

FISSION FRAGMENTS : Irradiation : Single crystals : Laminar structured semiconductors. See SEMICONDUCTORS, Laminar structured : Crystals, Single : Irradiation : Fission fragments

FISSION PRODUCTS : Irradiation : Plutonium-239; Fuels : Nuclear reactors. See NUCLEAR REACTORS : Fuels; Plutonium-239 : Irradiation : Fission products

FISSION PRODUCTS : Irradiation : Uranium-235; Fuels : Nuclear reactors. See NUCLEAR REACTORS : Fuels; Uranium-235 : Irradiation : Fission products

FISSION PRODUCTS : Wastes : Nuclear reactors. See NUCLEAR REACTORS : Wastes : Fission products

FITTINGS, Air handling : Lighting. See LIGHTING : Fittings, Air handling

FITTINGS : Buildings. See BUILDINGS : Fittings

FITTINGS : Changing rooms : Swimming baths. See SWIMMING BATHS : Changing rooms : Fittings

FITTINGS, Flameproof : Lighting : Mining : Coal. See COAL : Mining : Lighting : Fittings, Flameproof

FITTINGS : Lighting : Offices. See OFFICES : Lighting : Fittings

FITTINGS, Sliding : Building. See BUILDING : Fittings, Sliding

FITTINGS; Thermoplastics : Lighting. See LIGHTING : Fittings; Thermoplastics

FIUMICINO
See
AIRPORTS.. Fiumicino

FIXED BEDS : Adsorption : Air drying : Wind tunnels. See WIND TUNNELS : Air drying : Adsorption : Fixed beds

FIXED BEDS; Alumina : Adsorption : Water vapour. See WATER : Vapour : Adsorption : Fixed beds; Alumina

FIXED CERAMIC RESISTORS. See RESISTORS; Ceramics,, Fixed

FIXED END ARCHES. See ARCHES, Fixed end

FIXED RESISTORS. See RESISTORS, Fixed

FIXED RESISTORS : Military electronics. See MILITARY ELECTRONICS : Resistors, Fixed

FIXING : Cables : Telephony. See TELEPHONY : Cables : Fixing

FIXING : Fasteners. See FASTENERS : Fixing

FIXING : Photography. See PHOTOGRAPHY : Fixing

FIXTURES, Universal : Machining : Aircraft components. See AIRCRAFT : Components : Machining : Fixtures, Universal

FIZEAU INTERFEROMETERS : Displacement measurement. See DISPLACEMENTS : Measurement : Interferometers, Fizeau

FIZEAU INTERFEROMETERS : Wavelength measurements : Vibrations. See VIBRATIONS : Wavelengths : Measurements : Interferometers, Fizeau

FLAGELLA : Microbiology. See MICROBIOLOGY : Flagella

FLAKING : Paint. See PAINT : Flaking

FLAME CLEANING : Metals. See METALS : Cleaning, Flame

FLAME CUTTING : Control systems

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FLAME CUTTING : Oxygen : Control systems

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FLAME CUTTING : Shipbuilding. See SHIPBUILDING : Flame cutting

FLAME CUTTING : Steel. See STEEL : Cutting, Flame

FLAME IONISATION DETECTORS : Alumina : Adsorbents : Capillary columns : Gas chromatography : Gases : Hydrocarbons. See HYDROCARBONS : Gases : Gas chromatography : Columns, Capillary : Adsorbents : Alumina : Detectors, Flame ionisation

FLAME PHOTOMETERS. See PHOTOMETERS, Flame

FLAME PHOTOMETRY. See PHOTOMETRY, Flame

FLAME PHOTOMETRY : Potassium determination : Carbonatation liquor : Sugar production. See SUGAR : Production : Carbonatation : Liquor : Determination of potassium : Flame photometry

FLAME PHOTOMETRY : Sodium determination : Carbonatation liquor : Sugar production. See SUGAR : Production : Carbonatation : Liquor : Determination of sodium : Flame photometry

FLAME PROOF. See FLAMEPROOF

FLAME RESISTANCE : Fabrics. See FABRICS : Flame resistance

FLAME RESISTANCE : Gypsum; Plaster. See PLASTER; Gypsum : Flame resistance

FLAME RESISTANCE : Newspaper office building components. See OFFICE BUILDINGS, Newspaper : Components : Flame resistance

FLAME RESISTANCE : Textiles. See TEXTILES : Flame resistance

FLAME RESISTANCE : Wood building materials. See WOOD : Building materials : Flame resistance

FLAME RESISTANT CHLORINATED POLYESTERS–GLASS FIBRE; Panels : Buildings. See BUILDINGS : Panels; Polyesters, Chlorinated–Glass fibre, Flame resistant

FLAME RESISTANT FLOORS. See FLOORS, Flame resistant

FLAME RESISTANT FLUIDS : Hydraulic machinery. See HYDRAULIC MACHINERY : Fluids, Flame resistant

FLAME RESISTANT FLUIDS : Hydraulic machinery : Mining. See MINING : Hydraulic machinery : Fluids, Flame resistant

FLAME RESISTANT INSULATING BOARD : Ceilings. See CEILINGS : Insulating board, Flame resistant

FLAME RESISTANT LUBRICANTS : Steam turbines. See STEAM : Turbines : Lubricants, Flame resistant

FLAME RESISTANT MATERIALS : Building. See BUILDING : Materials, Fire resistant

FLAME RESISTANT PLASTICS. See PLASTICS, Flame resistant

FLAME RESISTANT POLYESTER–GLASS FIBRE. See POLYESTER–GLASS FIBRE, Flame resistant

FLAME RESISTANT RIGID EXPANDED POLYURETHANE. See POLYURETHANE, Expanded,, Rigid,, Flame resistant

FLAME RETARDANT COATINGS : Wood; Linings : Roads : Mining : Coal. See COAL : Mining : Roads : Linings; Wood : Coatings, Fire retardant

FLAME RETARDANT PAINT. See PAINT, Fire retardant

FLAME SPECTROSCOPY. See SPECTROSCOPY, Flame

FLAME SPRAYING : Non-ferrous metals : Marking : Rolling : Steel; Strips. See STRIPS; Steel : Rolling : Marking : Non-ferrous metals : Spraying, Flame

FLAMEPROOF ELECTRIC MOTORS. See ELECTRIC MOTORS, Flameproof

FLAMEPROOF ENCLOSURES : A.C. electric motors. See ELECTRIC MOTORS, A.C. : Flameproof enclosures

FLAMEPROOF FINISHES : Fabrics. See FABRICS : Finishes, Flameproof

FLAMEPROOF FITTINGS : Lighting : Mining : Coal. See COAL : Mining : Lighting : Fittings, Flameproof

FLAMEPROOFING : Wood : Building materials. See WOOD : Building materials : Flameproofing

FLAMES; Acetylene–Air : Atomic absorption spectrophotometry : Mercury determination. See MERCURY : Determination : Spectrophotometry, Atomic absorption : Flames; Acetylene–Air

FLAMES; Acetylene–Air : Atomic absorption spectrophotometry : Molybdenum determination. See MOLYBDENUM : Determination : Spectrophotometry, Atomic absorption : Flames; Acetylene–Air

FLAMES; Acetylene–Nitrous oxide : Atomic absorption spectrophotometry : Silicon determination. See SILICON : Determination : Spectrophotometry, Atomic absorption : Flames; Nitrous oxide–Acetylene

FLAMES; Acetylene–Nitrous oxide : Atomic fluorescence spectroscopy : Beryllium determination. See BERYLLIUM : Determination : Spectroscopy, Atomic fluorescence : Flames; Acetylene–Nitrous oxide

FLAMES; Acetylene–Nitrous oxide : Spectroscopy : Beryllium determination. See BERYLLIUM : Determination : Spectroscopy : Flames; Acetylene–Nitrous oxide

FLAMES; Boron trichloride–Cyanogen–Oxygen ,, Diffusion : Light emission

Luminous characteristics of cyanogen–oxygen–boron trichloride diffusion flames. R.L. Tischer & K. Scheller. Combustion & Flame, 12 (Aug 68) p.367-70. refs.

FLAMES : Burners : Natural gas. See GAS, Natural : Burners : Flames

FLAMES; Chlorine–Fluorine : Speed

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FLAMES, Diffusion : Combustion : Ethylene. See ETHYLENE : Combustion : Flames, Diffusion

FLAMES, Diffusion : Combustion : Propane. See PROPANE : Combustion : Flames, Diffusion

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Some unsteady motions of a diffusion flame sheet. J.F. Clarke & G.R. Stegen. J. of Fluid Mechanics, 34 (12 Nov 68) p.343-58. refs.

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Experimental study of the stability of hydrogen-air diffusion flames. A. Vranos, E.D. Taback & C.W. Shipman. Combustion & Flame, 12 (Jun 68) p.253-60. il. refs.

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Inhibition of hydrogen-air flames by hydrogen halides. R.N. Butlin & R.F. Simmons. Combustion & Flame, 12 (Oct 68) p.447-56. refs.

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Molecular-emission spectroscopy in cool flames. Pt.2: behaviour of phosphorus-containing compounds. R.M. Dagnall, K.C. Thompson & T.S. West. Analyst, 93 (Feb 68) p.72-8. refs.

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Molecular-emission spectroscopy in cool flames. Pt.3: emission characteristics of tin in diffusion flames. R.M. Dagnall, K.C. Thompson & T.S. West. Analyst, 93 (Aug 68) p.518-21. refs.

FLAMES; Hydrogen–Nitrogen–Oxygen : Ionisation : Alkaline earth metals. See ALKALINE EARTH METALS : Ionisation : Flames; Hydrogen–Nitrogen–Oxygen

FLAMES; Hydrogen–Nitrous oxide : Emission spectrophotometry. See SPECTROPHOTOMETRY, Emission : Flames; Hydrogen–Nitrous oxide

FLAMES : Ionisation

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Enhancement of the stability of methane diffusion flames by the application of electrical fields. J.H. Harker & J.E. Porter. J. of Inst. of Fuel, 41 (Jun 68) p.264-6. il. refs.

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Perchloric acid flames. Pt.8: methane-rich flames with oxygen. G.S. Pearson. Combustion & Flame, 12 (Feb 68) p.54-62. il. refs.

FLAMES; Polymers

Model for the candle-like burning of polymers. F.J. Martin. Combustion & Flame, 12 (Apr 68) p.125-35. il. refs.

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Temperature and heat transfer measurements within the discharge zone of a propane–air flame augmented with d.c. electrical power. I. Fells & J.H. Harker. Trans. of Instn. of Chemical Engrs., 46 (Oct 68) p.T236-42. il. refs.

FLAMES; Propane–Air : Speed : Effect of additives : Studies : Schlieren photography

Effects of additives on the burning velocities of flames and their possible prediction by mixing rule. V.S. Yumlu. Combustion & Flame, 12 (Feb 68) p.14-18. refs.

FLAMES : Research

Fundamental scientific investigation into the chemistry of flames [Applied Physics Lab., Johns Hopkins Univ., Maryland] M. Lorant. J. of Fuel & Heat Technology, 15 (Jul 68) p.25-6

FLAMES, Supersonic : Wedges

Supersonic flow past a wedge with a flame at its apex. R. Foster & J.F. Clarke. Aeronautical Q., 19 (Feb 68) p.80-90. refs.

FLAMES, Turbulent : Swirled jet burners. See BURNERS, Swirled jet : Flames, Turbulent

FLAMES; Unmixed reactants : Stagnation region

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FLAMMABILITY : Paint. See PAINT : Flammability

FLAMMABLE ATMOSPHERES : Electrical equipment. See ELECTRICAL EQUIPMENT : Flammable atmospheres

FLAMMABLE GASES. See GASES, Flammable

FLAMMABLE LIQUIDS. See LIQUIDS, Flammable

FLANGED PLATES : Bending machines : Plates. See PLATES : Bending : Machines : Plates, Flanged

FLANGES : Deep drawing. See DRAWING, Deep : Flanges
FLANGES : Horn aerials. See AERIALS, Horn : Flanges
FLANGES, Insulating : Cathodic protection : Steel; Pipelines. See PIPELINES; Steel : Cathodic protection : Flanges, Insulating
FLANGES : Motor cars : Rear axles. See MOTOR CARS : Rear axles : Flanges
FLANGES, Transverse : Electronic transmission lines. See TRANSMISSION LINES, Electronic : Flanges, Transverse
FLANGES : Wheels : Passenger rolling stock. See ROLLING STOCK, Passenger : Wheels : Flanges
FLAPS : Wings : Aircraft. See AIRCRAFT : Wings : Flaps
FLASH EVAPORATION : Distillation : Refining : Petroleum. See PETROLEUM : Refining : Distillation : Evaporation, Flash
FLASH EVAPORATORS : Distillation : Saline water. See WATER, Saline : Distillation : Flash evaporators
FLASH EVAPORATORS : Distillation : Sea water. See SEA : Water : Distillation : Flash evaporators
FLASH PHOTOLYSIS. See PHOTOLYSIS, Flash
FLASH PHOTOLYSIS : Free radicals identification. See FREE RADICALS : Identification : Flash photolysis
FLASH POINTS : Paint. See PAINT : Flash points
FLASH TUBES : Q-switching : Calcium tungstate; Lasers. See LASERS; Calcium tungstate : Q-switching : Flash tubes
FLASH WELDING : Metals; Sections. See SECTIONS; Metals : Welding, Flash

FLASH WELDING : Permanent way : Railways : Transport : Ores : Iron. See IRON : Ores : Transport : Railways : Permanent way : Welding, Flash
FLASHLESS FORGING. See FORGING, Cross rolling
FLASHLIGHT : High speed 16mm cinematography. See CINEMATOGRAPHY, 16mm,, High speed : Flashlight
FLASHLIGHT, Repeating : Photography. See PHOTOGRAPHY : Flashlight, Repeating
FLASHLIGHT PHOTOGRAPHY : Impact : Fracture. See FRACTURE : Impact : Photography, Flashlight
FLASHOVER : D.C. machines. See D.C. : Machines : Flashover
FLASHOVER : Electrical machinery. See ELECTRICAL MACHINERY : Flashover
FLASHOVER : Polluted insulators : Electric power systems. See ELECTRIC POWER SYSTEMS : Insulators, Polluted : Flashover

FLASKS : Laboratory apparatus : Distillation : Kjeldahl method : Nitrogen determination : Nitrogen compounds. See NITROGEN COMPOUNDS : Determination of nitrogen: Kjeldahl method : Distillation : Flasks
FLAT BED CYLINDER PRINTING MACHINES. See PRINTING : Machines, Flat bed cylinder
FLAT DRAWN PROCESS : Glass manufactures. See GLASS : Manufactures : Flat drawn process
FLAT KNITTED CRIMPLENE FABRICS : Full fashioned knitwear. See KNITWEAR, Full fashioned : Fabrics; Crimplene,, Flat knitted
FLAT KNITTING. See KNITTING, Flat
FLAT PLATES. See PLATES, Flat
FLATNESS : Film : Photogrammetry. See PHOTOGRAMMETRY : Film : Flatness
FLATNESS, Optical. See OPTICAL FLATNESS
FLATNESS, Optical : Rubber. See RUBBER : Optical flatness

FLATS
Housing and densities. O. Luder. Building, 215 (2 Aug 68) p.58

FLATS
Related Headings :
MAISONETTES

FLATS–SUBHEADINGS–Synopsis
This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Particular localities
  - Great Britain
    - London
      - *Westminster*
      - *Southwark*
      - *Camden*
      - *Brent*
      - *Islington*
      - *Merton*
      - *Tower Hamlets*
      - *Redbridge*
    - *Dover*
    - *Birmingham*
    - *Cambridge*
    - *Macclesfield*
    - *Leeds*
    - *Llantrisant*
  - West Germany
    - *Marl*
  - Italy
    - *San Martino di Castrozza*
  - Spain
    - *Calpe*
  - Australia
    - *Sydney*

- Properties
  - *Access*

- Technical operations
  - *Modernisation*

- Parts
  - *Panels*
  - *Insulation*

- Services
  - *Heating*
  - *Ventilation*
  - *Refuse disposal*

- Ancillaries
  - *Gardens*

- Types of flats
  - By method of construction
    - *Prefabricated*
    - *Suspension construction*
  - By material
    - *Concrete*
  - By occupant
    - *Old people*

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FLATS .. Birmingham
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FLATS .. Brent .. Kensal New Town
Edenham Street, Kensal New Town, London. Architectural Rev., 143 (Jan 68) p.72. il.

FLATS .. Calpe
Xanadu [Calpe, Spain] P. Hodgkinson. Architectural Design, 38 (Jul 68) p.327-8. il.

FLATS.. Cambridge
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FLATS.. Camden
Fleet Road, Area 2, Camden, London. Architectural Rev., 143 (Jan 68) p.60. il.
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Eaves Road, Dover, Kent. Architectural Design, 38 (Jan 68) p.27. il.
FLATS : Gardens
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FLATS : Heating : Boilers, Coal fired : Stoking, Mechanical
Bigwood underfeed stoker. Smokeless Air, 39 (Autumn 68) p.65-6. il.
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FLATS : Insulation, Sound
GLC housing, London. Architectural Design, 38 (Oct 68) p.452. il.
FLATS.. Islington
Hornsey Lane, Islington, London. Architectural Rev., 143 (Jan 68) p.70. il.
FLATS.. Leeds.. Alwoodley
Ingledew Court, Alwoodley, Leeds: Architectural Design award project. Architectural Design, 38 (Jan 68) p.14. il.
FLATS.. Llantrisant
Tynant, Beddau, Llantrisant, Glamorgan: Architectural Design award project. Architectural Design, 38 (Jan 68) p.11. il.
FLATS.. Macclesfield
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FLATS.. Marl
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FLATS.. Merton.. Mitcham
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FLATS : Old people.. Byfleet
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FLATS : Old people.. Sutton (London)
Trickett House, Sutton. Building, 215 (5 Jul 68) p.98. il.
FLATS : Old people.. Tonyrefail
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FLATS : Panels; Concrete : Casting : Moulds, Battery
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FLATS, Prefabricated : Camus system
Camus factory for USSR [Tashkent, Uzbekistan] Industrialised Building, 5 (May 68) p.81. il.
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FLAVOURING MATERIALS : Food. See FOOD : Flavouring materials

FLAVOURS : Food. See FOOD : Flavours

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FLEXIBLE JOINTED BOX STRUCTURES. See BOX STRUCTURES, Flexible jointed

FLEXIBLE PRINTED ELECTRONIC CIRCUITS. See CIRCUITS, Electronic,, Printed,, Flexible

FLEXIBLE SHEETS. See SHEETS, Flexible

FLEXIBLE TANKS. See TANKS, Flexible

FLEXIBLY SUPPORTED GEARBOXES. See GEARBOXES, Flexibly supported

FLEXURAL–TORSIONAL VIBRATIONS : Beams. See BEAMS : Vibrations, Flexural–Torsional

FLEXURAL VIBRATIONS : Deformation bands : Cleavage surfaces : Crystals. See CRYSTALS : Cleavage surfaces : Deformation bands : Vibrations, Flexural

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FLOCCULATION : Fines : Cleaning : Coal. See COAL : Cleaning : Fines : Flocculation

FLOCCULATION : Mineral dressing. See MINERAL DRESSING : Flocculation

FLOCCULATION : Purification : Industrial water. See WATER, Industrial : Purification : Flocculation

FLOCCULATION : Water : Cooling media. See WATER : Cooling media : Flocculation

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FLOTATION, Ion. See FOAM SEPARATION

FLOTATION : Monazite. See MONAZITE : Flotation

FLOTATION : Ores : Copper. See COPPER : Ores : Flotation

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FLOTATION : Precipitates : Nickel separation : Aqueous solutions : Cobalt. See COBALT : Aqueous solutions : Nickel separation : Precipitates : Flotation

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FLOUR

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FLOW : Air-Water. See AIR-WATER : Flow

FLOW, Annular : Air-Water. See AIR-WATER : Flow, Annular

FLOW, Annular : Gas-Liquid systems. See GAS-LIQUID SYSTEMS : Flow, Annular

FLOW : Burners : Gases. See GASES : Burners :

FLOW : Channels. See CHANNELS : Flow
FLOW : Circular cylinders : Inserts : Parallel walled pipes. See PIPES, Parallel walled : Inserts : Cylinders, Circular : Flow
FLOW : Classifiers : Minerals. See MINERALS : Classifiers : Flow
FLOW, Compressible : Fluids. See FLUIDS : Flow, Compressible
FLOW : Convection. See CONVECTION : Flow
FLOW : Curved channels. See CHANNELS, Curved : Flow
FLOW : Curved dies : Extrusion : Metals. See METALS : Extrusion : Dies, Curved : Flow
FLOW : Cylinders. See CYLINDERS : Flow
FLOW : Diffusers. See DIFFUSERS : Flow
FLOW, Dissipative : Electrically conductive gases. See GASES, Electrically conductive : Flow, Dissipative
FLOW : Drip feeds. See DRIP FEEDS : Flow
FLOW : Droplets : Water. See WATER : Droplets : Flow
FLOW : Electrically conductive fluids. See FLUIDS, Electrically conductive : Flow
FLOW : Exhaust : Valves : Turbocharged diesel engines. See DIESEL ENGINES, Turbocharged : Valves : Exhaust : Flow
FLOW : Extrusion : Thermoplastics. See THERMOPLASTICS : Extrusion : Flow
FLOW : Fibres : Air filters. See AIR FILTERS : Fibres : Flow
FLOW : Filters. See FILTERS : Flow
FLOW : Fluids. See FLUIDS : Flow
FLOW : Fluids : Hydraulic machinery. See HYDRAULIC MACHINERY : Fluids : Flow
FLOW : Fluids : Porous materials. See POROUS MATERIALS : Fluid flow
FLOW : Foetal blood. See BLOOD, Foetal : Flow
FLOW : Gas–Liquid systems. See GAS–LIQUID SYSTEMS : Flow
FLOW : Gas–Solid systems. See GAS–SOLID SYSTEMS : Flow
FLOW : Gases : Packed beds. See PACKED BEDS : Gases : Flow
FLOW, Gravity : Viscoelastic liquid films. See FILMS, Liquid, Viscoelastic : Flow, Gravity
FLOW : Grids : Packing : Packed beds. See PACKED BEDS : Packing : Grids : Flow
FLOW : Grids : Packing : Packed columns. See PACKED COLUMNS : Packing : Grids : Flow

FLOW : Half cones : Delta wings : Aircraft. See AIRCRAFT : Wings, Delta : Cones, Half : Flow
FLOW, Hypersonic : Blunt bodies. See BLUNT BODIES : Flow, Hypersonic
FLOW, Hypersonic : Cones. See CONES : Flow, Hypersonic
FLOW : Impellers : Pumps : Water. See WATER : Pumps : Impellers : Flow
FLOW : Inlet manifolds : Turbocharged diesel engines. See DIESEL ENGINES, Turbocharged : Inlet manifolds : Flow
FLOW : Inlets : Cooling systems : Gas cooled nuclear reactors. See NUCLEAR REACTORS, Gas cooled : Cooling systems : Inlets : Flow
FLOW, Laminar : Channels. See CHANNELS : Flow, Laminar
FLOW, Laminar : Entrance region : Tubular chemical reactors. See CHEMICAL REACTORS, Tubular : Entrance region : Flow, Laminar
FLOW, Laminar : Lenticular pipes. See PIPES, Lenticular : Flow, Laminar
FLOW, Laminar : Pipes. See PIPES : Flow, Laminar
FLOW, Laminar : Rotating liquids. See LIQUIDS, Rotating : Flow, Laminar
FLOW, Laminar : Spheres. See SPHERES : Flow, Laminar
FLOW : Liquid films. See FILMS, Liquid : Flow
FLOW : Liquid fusible alloys. See ALLOYS, Fusible,, Liquid : Flow
FLOW : Liquid hydrocarbons. See HYDROCARBONS, Liquid : Flow
FLOW : Liquid metals. See METALS, Liquid : Flow
FLOW : Liquid sodium. See SODIUM, Liquid : Flow
FLOW : Liquid–Solid suspensions. See SUSPENSIONS, Liquid–Solid : Flow
FLOW : Liquids. See LIQUIDS : Flow
FLOW : Liquids : Packed columns. See PACKED COLUMNS : Liquid flow
FLOW : Liquids : Stratified porous materials. See POROUS MATERIALS, Stratified : Liquid flow
FLOW : Lubricants : Cold rolling : Metals ; Strips. See STRIPS ; Metals : Rolling, Cold : Lubricants : Flow
FLOW : Lubrication : Steam turbines. See STEAM : Turbines : Lubrication : Flow
FLOW : Mercury. See MERCURY : Flow
FLOW : Mud : Drilling : Boreholes. See BOREHOLES : Drilling : Mud : Flow
FLOW : Non-equilibrium gas–liquid systems. See GAS–LIQUID SYSTEMS, Non-equilibrium : Flow
FLOW : Non-equilibrium gas–solid systems. See GAS–SOLID SYSTEMS, Non-equilibrium : Flow
FLOW, Non-isothermal : Rotating stratified fluids. See FLUIDS, Stratified,, Rotating : Flow, Non-isothermal
FLOW, Non-linear : Filters. See FILTERS : Flow, Non-linear
FLOW : Non-Newtonian fluids. See FLUIDS, Non-Newtonian : Flow
FLOW; Non-Newtonian fluids : Stratified porous materials. See POROUS MATERIALS, Stratified : Non-Newtonian fluid flow
FLOW : Nozzles. See NOZZLES : Flow
FLOW : Nuclear powered steam turbines : Turbo-alternators. See TURBO-ALTERNATORS : Steam turbines, Nuclear powered : Flow
FLOW : Orifices : Pipes. See PIPES : Orifices : Flow
FLOW : Oscillating plates. See PLATES, Oscillating : Flow
FLOW, Oscillatory : Elastico-viscous liquids. See LIQUIDS, Elastic-viscous : Flow, Oscillatory
FLOW, Oscillatory : Fluids. See FLUIDS : Flow, Oscillatory
FLOW, Oscillatory : Pipes. See PIPES : Flow, Oscillatory
FLOW : Packed countercurrent columns : Absorption. See ABSORPTION : Columns, Countercurrent,, Packed : Flow
FLOW, Parallel : Fluids. See FLUIDS : Flow, Parallel
FLOW : Pipes. See PIPES : Flow
FLOW : Pipes : Cooling : Electrical machinery. See ELECTRICAL MACHINERY : Cooling : Pipes : Flow
FLOW : Pipes : Cooling : Stators : Water turbines : Alternators. See ALTERNATORS : Water turbines : Stators : Cooling : Pipes : Flow
FLOW : Pipes : Hydraulic machinery. See HYDRAULIC MACHINERY : Pipes : Flow
FLOW : Plates : Valves. See VALVES : Plates : Flow
FLOW, Plug : Tanks : Mixing : Slurries. See SLURRIES : Mixing : Tanks : Flow, Plug
FLOW : Pneumatic machinery. See PNEUMATIC MACHINERY : Flow
FLOW : Poppet valves : Turbocharged two stroke diesel engines. See DIESEL ENGINES, Two stroke,, Turbocharged : Valves, Poppet : Flow
FLOW : Powders. See POWDERS : Flow
FLOW : Precessing spheres : Containers : Fluids. See FLUIDS : Containers : Spheres, Precessing : Flow
FLOW : Rate : Effect on corrosion : Steel ; Pipes : Water. See WATER : Pipes ; Steel : Corrosion : Effect of flow rate
FLOW : Reservoirs : Natural gas. See GAS, Natural : Reservoirs : Flow
FLOW : Reservoirs : Petroleum. See PETROLEUM : Reservoirs : Flow
FLOW : Rotating discs. See DISCS, Rotating : Flow
FLOW : Rotating fluids. See FLUIDS, Rotating : Flow
FLOW : Rotating liquids. See LIQUIDS, Rotating : Flow

FLOW, Secondary : Bends : Channels. See CHANNELS : Bends : Flow, Secondary
FLOW, Secondary : Cascade blades : Turbines. See TURBINES : Blades, Cascade : Flow, Secondary
FLOW, Separated : Blunt bodies. See BLUNT BODIES : Flow, Separated
FLOW : Servo valves. See SERVO VALVES : Flow
FLOW : Sharp edged entrances : Pipes. See PIPES : Sharp edged entrances : Flow
FLOW, Shear. See SHEAR FLOW
FLOW, Shear : Dumb bell shaped particles : Liquid–Solid suspensions. See SUSPENSIONS, Liquid–Solid : Particles, Dumb bell shaped : Shear flow
FLOW, Shear : Rotating fluids. See FLUIDS, Rotating : Flow, Shear
FLOW, Shear : Stratified fluids. See FLUIDS, Stratified : Flow, Shear
FLOW : Shock tubes. See SHOCK TUBES : Flow
FLOW, Slip : Lubrication : Gas bearings. See BEARINGS, Gas : Lubrication : Flow, Slip
FLOW, Slug : Fluidised bed catalytic chemical reactors. See CHEMICAL REACTORS, Catalytic,, Fluidised bed : Slug flow
FLOW, Slug : Multipipe pipelines. See PIPELINES, Multipipe : Slug flow
FLOW : Solenoid valves. See VALVES, Solenoid : Flow
FLOW : Solids. See SOLIDS : Flow
FLOW : Solutions : Polymers. See POLYMERS : Solutions : Flow
FLOW : Solvents. See SOLVENTS : Flow
FLOW, Source–Sink : Rotating liquids. See LIQUIDS, Rotating : Flow, Source–Sink
FLOW : Square edged broad crested weirs. See WEIRS, Broad crested,,Square edged : Flow
FLOW, Start up : Non-Newtonian fluids. See FLUIDS, Non-Newtonian : Flow, Start up
FLOW : Stirred tanks : Mixing. See MIXING : Tanks, Stirred : Flow
FLOW, Stokes : Rectangular pipes. See PIPES, Rectangular : Flow, Stokes
FLOW, Stokes : Wall attached spheres. See SPHERES, Wall attached : Flow, Stokes

FLOW : Stratified air. See AIR, Stratified : Flow
FLOW : Stratified fluids. See FLUIDS, Stratified : Flow
FLOW : Stratified liquids. See LIQUIDS, Stratified : Flow
FLOW : Stratified saline water. See WATER, Saline,, Stratified : Flow
FLOW, Supercritical : Culverts. See CULVERTS : Flow, Supercritical
FLOW, Supersonic : Aerofoils. See AEROFOILS : Flow, Supersonic

FLOW, Supersonic : Blunt bodies. See BLUNT BODIES : Flow, Supersonic
FLOW, Supersonic : Carbon dioxide. See CARBON DIOXIDE : Flow, Supersonic
FLOW, Supersonic : Cones. See CONES : Flow, Supersonic
FLOW, Supersonic : Conical aerofoils. See AEROFOILS, Conical : Flow, Supersonic
FLOW, Supersonic : Fluids. See FLUIDS : Flow, supersonic
FLOW, Supersonic : Wedge shapes. See WEDGE SHAPES : Flow, Supersonic
FLOW : Suspensions : Air–Water–Quartz. See AIR–WATER–QUARTZ : Suspensions : Flow
FLOW : Three grouped cylinders. See CYLINDERS, Grouped, Three : Flow
FLOW, Time dependent : Concentric cylinders. See CYLINDERS, Concentric : Flow, Time dependent
FLOW : Traffic : Intersections : Roads. See ROADS : Intersections : Traffic : Flow
FLOW : Traffic : Roads. See ROADS : Traffic : Flow
FLOW, Transitional : Vortex streets : Wakes : Cylinders. See CYLINDERS : Wakes : Vortex streets : Transitional flow
FLOW, Transverse : Hot gases : Heating : Cylinders. See CYLINDERS : Heating : Hot gases : Flow, Transverse
FLOW : Trapezoidal channels. See CHANNELS, Trapezoidal : Flow
FLOW, Turbulent : Aqueous solutions : Ethylene glycol. See ETHYLENE GLYCOL : Aqueous solutions : Flow, Turbulent
FLOW, Turbulent : Fluids. See FLUIDS : Flow, Turbulent
FLOW, Turbulent : Lubrication : Gas bearings. See BEARINGS, Gas : Lubrication : Flow, Turbulent
FLOW, Turbulent : Non-Newtonian fluids. See FLUIDS, Non-Newtonian : Flow, Turbulent
FLOW, Turbulent : Non-Newtonian fluids : Pipes. See PIPES : Non-Newtonian fluids : Flow, Turbulent
FLOW, Turbulent : Pipes. See PIPES : Flow, Turbulent
FLOW, Turbulent : Rivers. See RIVERS : Flow, Turbulent
FLOW, Turbulent : Water. See WATER : Flow, Turbulent
FLOW : Two phase non-Newtonian fluids. See FLUIDS, Non-Newtonian,, Two phase : Flow
FLOW, Unsteady : Conduction : Heat. See HEAT : Conduction : Flow, Unsteady
FLOW, Unsteady : Cylinders. See CYLINDERS : Flow, Unsteady
FLOW, Unsteady : Electrically conductive gases. See GASES, Electrically conductive : Flow, Unsteady
FLOW, Unsteady : Fluids. See FLUIDS : Flow, Unsteady
FLOW, Unsteady : Gas–Liquid systems. See GAS–LIQUID SYSTEMS : Flow, Unsteady
FLOW, Unsteady : Internal combustion engines. See ENGINES, Internal combustion : Flow, Unsteady
FLOW, Unsteady : Liquids. See LIQUIDS : Flow, Unsteady
FLOW, Unsteady : Networks : Pipes : Natural gas. See GAS, Natural : Pipes : Networks : Flow, Unsteady
FLOW, Unsteady : Water. See WATER : Flow, Unsteady
FLOW : Valves. See VALVES : Flow
FLOW : Viscosity gradients : Stratified liquids. See LIQUIDS, Stratified : Viscosity gradients : Flow
FLOW, Viscous : Fluids. See FLUIDS : Flow, Viscous
FLOW, Viscous : Mixing : Liquids. See LIQUIDS : Mixing : Flow, Viscous

FLOW, Viscous : Rotating eccentric cylinders. See CYLINDERS, Eccentric,, Rotating : Flow, Viscous
FLOW : Water. See WATER : Flow
FLOW : Water : Erosion : Inlets : Tubes : Condensers : Steam turbines : Turbo-alternators. See TURBO-ALTERNATORS : Steam turbines : Condensers : Tubes : Inlets : Erosion : Water flow
FLOW : Wedge shapes. See WEDGE SHAPES : Flow
FLOW : Wind tunnels. See WIND TUNNELS : Flow

FLOW CALORIMETERS : Intensity measurement : Ion beams. See ION BEAMS : Intensity : Measurement : Calorimeters, Flow
FLOW CATALYTIC CHEMICAL REACTORS. See CHEMICAL REACTORS, Catalytic,, Flow
FLOW CHEMICAL REACTORS. See CHEMICAL REACTORS, Flow
FLOW CHEMICAL REACTORS : Reactions : Gases. See GASES : Reactions : Chemical reactors, Flow
FLOW DIAGRAMS : Computers. See COMPUTERS : Flow diagrams
FLOW DISTRIBUTORS : Head boxes : Papermaking machines. See PAPERMAKING : Machines : Head boxes : Flow distributors
FLOW STRESS : Distribution : Single crystals : Copper. See COPPER : Crystals, Single : Flow stress distribution
FLOW STRESS : Zirconium–Oxygen. See ZIRCONIUM–OXYGEN : Flow stress

FLOWERS : Spoilage : Inhibitors

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FLOWING ACETONITRILE–TETRAETHYLAMMONIUM PERCHLORATE SOLUTIONS : Grids : Platinum; Electrodes. See ELECTRODES; Platinum : Grids : Flowing acetonitrile–Tetraethylammonium perchlorate solutions

FLOWING ELECTROLYTES : Electrodes. See ELECTRODES : Flowing electrolytes

FLOWING ELECTROLYTES : Granular graphite; Electrodes. See ELECTRODES; Graphite, Granular : Flowing electrolytes

FLOWING ELECTROLYTES : Tubular platinum electrodes. See ELECTRODES; Platinum,, Tubular : Flowing electrolytes

FLOWING FLUIDS : Injection : Two dimensional jets. See JETS, Two dimensional : Injection : Fluids, Flowing

FLOWING FLUIDS : Shock wave propagation. See SHOCK WAVES : Propagation : Fluids, Flowing

FLOWING GASES : Decarburisation : Drops : Liquid iron. See IRON, Liquid : Drops : Decarburisation : Flowing gases

FLOWING PARTICLES. See PARTICLES, Flowing

FLOWING POTASSIUM CHLORIDE : Solutions : Grids : Platinum; Electrodes. See ELECTRODES; Platinum : Grids : Flowing potassium chloride solutions

FLOWING SOLUTIONS. See SOLUTIONS, Flowing

FLOWING SOLVENTS : Diffusion controlled dissolution : Metals. See METALS : Dissolution, Diffusion controlled : Solvents, Flowing

FLOWING WATER : Corrosion : Copper. See COPPER : Corrosion : Water, Flowing

FLOWMETERS

Related Headings:

AIRFLOW : Meters
GAS FLOW : Meters
ORIFICE PLATES
VENTURI TUBES

FLOWMETERS : Airborne powders. See POWDERS, Airborne : Flowmeters

FLOWMETERS, Differential pressure : Pipelines. See PIPELINES : Flowmeters, Differential pressure

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FLOWMETERS, Electromagnetic : Blood. See BLOOD : Flowmeters, Electromagnetic

FLOWMETERS : Fuel oil consumption measurement : Oil fired heating : Housing. See HOUSING : Heating, Oil fired : Fuel oil consumption : Measurement : Flowmeters

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FLOWMETERS : Water. See WATER: Flowmeters

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FLUE GAS : Sulphur recovery. See SULPHUR : Recovery : Flue gas

FLUE GAS : Tankers : Ships. See TANKERS : Ships : Flue gas

FLUES : Town gas appliances. See GAS, Town : Appliances: Flues

FLUFFING : Paper : Offset lithography. See LITHOGRAPHY, Offset : Paper : Fluffing

FLUID AMPLIFIERS. See CONTROL SYSTEMS, Fluid jet

FLUID CONTROL SYSTEMS. See CONTROL SYSTEMS, Fluid

FLUID CONTROL SYSTEMS : Electrical machinery component manufactures. See ELECTRICAL MACHINERY : Components : Manufactures : Control systems, Fluid

FLUID CONTROL SYSTEMS : Line printers. See PRINTERS, Line : Control systems, Fluid

FLUID CONTROL SYSTEMS : Machine tools. See MACHINE TOOLS : Control systems, Fluid

FLUID CONTROL SYSTEMS : Pressworking : Business machine components. See BUSINESS MACHINES : Components : Pressworking : Control systems, Fluid

FLUID CONTROL SYSTEMS : Windings manufactures : Turbo-alternators. See TURBO-ALTERNATORS : Windings : Manufactures : Control systems, Fluid

FLUID COUPLINGS. See COUPLINGS, Fluid

FLUID COUPLINGS : Fans : Cooling : Diesel engines : Diesel hydraulic locomotives. See LOCOMOTIVES, Diesel hydraulic : Diesel engines : Cooling : Fans : Couplings, Fluid

FLUID JET CARBURETTORS : Motor cars. See MOTOR CARS : Carburettors, Fluid jet

FLUID JET CONTROL SYSTEMS. See CONTROL SYSTEMS, Fluid jet

FLUID JET CONTROL SYSTEMS : Drilling machines. See DRILLING : Machines : Control systems, Fluid jet

FLUID JET CONTROL SYSTEMS : Machine tools. See MACHINE TOOLS : Control systems, Fluid jet

FLUID LOGIC CONTROL SYSTEMS. See CONTROL SYSTEMS, Fluid

FLUID SAND PROCESS : Mould manufactures. See MOULDS : Manufactures : Fluid sand process

FLUIDISATION : Freezing : Food. See FOOD : Freezing : Fluidisation

FLUIDISATION : Silos : Flour. See FLOUR : Silos : Fluidisation

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FLUIDISED BEDS : Drying. See DRYING : Fluidised beds

FLUIDISED BEDS : First order chemical reactions. See CHEMICAL REACTIONS, First order : Fluidised beds

FLUIDISED BEDS : Fuel processing. See FUELS : Processing : Fluidised beds

FLUIDISED BEDS : Furnaces : Coal fired boilers. See BOILERS, Coal fired : Furnaces : Fluidised beds

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FLUIDISED BEDS : Mixing : Solids. . See SOLIDS : Mixing : Fluidised beds

FLUIDITY TESTS : Bleaching : Cotton; Fabrics. See FABRICS; Cotton : Bleaching : Fluidity tests

FLUIDS

Related Headings:
GASES
LIQUIDS

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FLUIDS : Distribution

Related Headings:
HOSES
PIPELINES
PIPES
PIPEWORK
PUMPING
PUMPS
VALVES

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FLUIDS, Flame resistant : Hydraulic machinery : Mining. See MINING : Hydraulic machinery : Fluids, Flame resistant

FLUIDS : Flow

Related Headings:
AERODYNAMICS
BOUNDARY LAYER
CAVITATION
COUETTE FLOW
DRAG
ENTRAINMENT
GAS FLOW
JETS
LIQUIDS : Flow
LAMINAR FLOW
MOLECULAR FLOW
NAVIER–STOKES EQUATION
POISEUILLE FLOW
REYNOLDS NUMBER
SHEAR FLOW
SHOCK WAVES
SKIN FRICTION

FLUIDS : Flow
Related Headings–cont.
SPRAYS
STAGNATION POINT
STOKES FLOW
VORTEX GENERATORS
VORTICES
WAKES

FLUIDS : Flow : Channels. See CHANNELS : Flow

FLUIDS : Flow : Circular cylinders : Inserts : Parallel walled pipes. See PIPES, Parallel walled : Inserts : Cylinders, Circular : Flow

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ANEMOMETERS
FLOWMETERS
PITOT TUBES

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FOAMED POLYURETHANE. See POLYURETHANE, Expanded

FOAMED POLYURETHANE; Chairs. See CHAIRS; Polyurethane, Expanded

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FOOD
Related headings:
ALGAE
BAKERY PRODUCTS
DAIRY INDUSTRY
EGGS
FISH
FRUIT
GRAIN
GROCERIES
ICE CREAM
MARGARINE
MEALS
MEAT
MILK
NUT FOOD
OILS, Edible
PECTIN : Food products
PLANTS : Protein : Food products
POULTRY
SEA FOOD
STARCH : Food products
SUGAR
SUGARS
SWEETS
VEGETABLES
VITAMINS
YEAST : Food products

FOOD–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Research

Classification

Standards
Standardisation

Problems
  Pests
  Hygiene
    Contamination
    Poisoning

FOOD–SUBHEADINGS–Synopsis–cont.

- Properties
    - *Colour*
    - *Flavours*

- Technical activities
    - *Analysis*
        - *Determination of....*
    - *Sensory testing*
    - *Processing*
        - *Preservation*
            - *Drying*
            - *Freeze-drying*
            - *Freezing*
        - *Packaging*
            - *Containers*
                - *Labels*
            - *Canning*
                - *Cans*
            - *Bottling*
        - *Storage*
    - *Transport*

- Constituents
    - *Additives*

- Types of food
    - *Granular*
    - *Liquid*
    - *Frozen*
    - *Canned*
    - *Pre-cooked*
    - *Stored*
    - *Membrane coated*
    - *Middle Eastern*
    - *Welfare*

    - *Snacks*

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  Related Headings:
    APPLES
    BLACKCURRANTS
    CAROB : Pods
    CHERRIES
    CITRUS FRUIT
    GROUNDNUTS
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FUEL ELEMENTS : Steam generating heavy water moderated nuclear reactors. See NUCLEAR REACTORS, Heavy water moderated,, Steam generating : Fuel elements

FUEL ELEMENTS; Steel : Gas cooled nuclear reactors. See NUCLEAR REACTORS, Gas cooled : Fuel elements; Steel

FUEL ELEMENTS : Water cooled nuclear reactors. See NUCLEAR REACTORS, Water cooled : Fuel elements

FUEL INJECTION : Diesel engines. See DIESEL ENGINES : Fuel injection

FUEL INJECTION : Diesel engines : Motor vehicles. See MOTOR VEHICLES : Diesel engines : Fuel injection

FUEL INJECTION : Engines : Motor cars. See MOTOR CARS : Engines : Fuel injection

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FUEL—OXYGEN BURNERS : Arc furnaces : Steel production. See STEEL : Production : Furnaces, Arc : Burners, Fuel—Oxygen

FUEL—OXYGEN BURNERS : Furnaces : Copper production. See COPPER : Production : Furnaces : Burners, Fuel—Oxygen

FUEL—OXYGEN BURNERS : Preheating : Scrap : Kaldo oxygen process : Steel production. See STEEL : Production : Oxygen process, Kaldo : Scrap : Preheating : Burners, Oxygen—Fuel

FUEL—OXYGEN—SCRAP PROCESS : Steel production. See STEEL : Production : Fuel—Oxygen—Scrap process

FUEL SYSTEMS : Aircraft. See AIRCRAFT : Fuel systems

FUEL SYSTEMS : Engines : Motor boats. See BOATS, Motor : Engines : Fuel systems

FUEL SYSTEMS : Ships. See SHIPS : Fuel systems

FUEL SYSTEMS : Supersonic aircraft. See AIRCRAFT, Supersonic : Fuel systems

FUEL TANKS : Scrap disposal : Motor cars. See MOTOR CARS : Scrap : Disposal : Fuel tanks

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COAL
COMBUSTION
FLUE GAS
GAS, Natural
GAS, Town
KEROSINE
PEAT

FUELS : Aircraft. See AIRCRAFT : Fuels
FUELS : Cans : Effect on resonance absorption : Neutrons : Nuclear reactors. See NUCLEAR REACTORS : Neutrons Resonance absorption : Effect of fuel cans
FUELS : Chemical engineering. See CHEMICAL ENGINEERING : Fuels
FUELS, Coated : Helium cooled nuclear reactors. See NUCLEAR REACTORS, Helium cooled : Fuels, Coated
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FUELS; Kerosine : Turbojets. See TURBOJETS : Fuels; Kerosine
FUELS : Kilns : Ceramic manufactures. See CERAMICS : Manufactures : Kilns : Fuels
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HOSPITALS .. Hammersmith .. Fulham
HOUSING .. Hammersmith .. Fulham

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FUMES : Digestion : Perchloric acid. See PERCHLORIC ACID : Digestion : Fumes

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FUNERARY BUILDINGS
Related Headings:
CREMATORIA
FUNGI
Related Headings:
YEAST
FUNGI : Interaction with marine borers : Pests : Underwater wood; Ships. See SHIPS; Wood, Underwater : Pests : Marine borers : Interaction with fungi
FUNGI : Interaction with marine borers : Pests : Underwater wood; Structures : Ports. See PORTS : Structures; Wood, Underwater : Pests : Marine borers : Interaction with fungi
FUNGI : Petroleum. See PETROLEUM : Mycology
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METHOXYETHYLMERCURY CHLORIDE : Fungicides
ORGANOMERCURY COMPOUNDS : Fungicides
TRIPHENYLTIN HYDROXIDE : Fungicides
FUNGICIDES : Potatoes. See POTATOES : Fungicides
FUNGICIDES : Seeds. See SEEDS : Fungicides
FURAN : Resins; Binders : Sand : Cores : Moulds. See MOULDS : Cores : Sand : Binders; Furan resins
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FURNACES
Related Headings:
CUPOLAS
MICROFURNACES

FURNACES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Technical activities
Manufactures

Parts
Refractories
Tubes

Instruments
Thermometers

Types
Electric
Cyclone
Blast
Open hearth

Applications
Boilers
Laboratory equipment

FURNACES, Arc : Melting : Casting : Steel alloys. See STEEL : Alloys : Casting : Melting : Furnaces, Arc
FURNACES, Arc : Stainless steel production. See STEEL Stainless : Production : Furnaces, Arc
FURNACES, Arc : Steel alloys production. See STEEL : Alloys : Production : Furnaces, Arc
FURNACES, Arc : Steel production. See STEEL : Production : Furnaces, Arc
FURNACES, Arc : Vacuum melting : Titanium. See TITANIUM : Melting, Vacuum : Furnaces, Arc

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GAS, Natural : Research

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GAS, Natural : Sulphur production. See SULPHUR : Production : Gas, Natural

GAS, Natural : Tankers : Ships. See TANKERS : Ships, Natural gas carrying

GAS, Natural : Town gas production. See GAS, Town : Production : Natural gas

GAS, Natural : Transport : Cylinders

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GAS, Natural.. West Germany

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GAS, Town
Related Headings:
PRODUCER GAS
SYNTHESIS GAS
WATER GAS

GAS, TOWN–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Particular localities
  - Great Britain
    - *North East England*
    - *Scotland*
  - Europe
    - *West Germany*
  - Africa
    - *South Africa*

- *Organisations*
- *Education*
- *Research*

- Properties
  - *Wobbe index*

- Technical activities
  - *Measurements*
  - *Analysis*
  - *Production*
    - *Purification*
    - *Supplementation*
  - *Storage*
  - *Distribution*
    - *Pipes*
      - *Mains*
      - *Pipelines*
    - *Pumping*
    - *Meters*
    - *High pressure*
    - *Pressure control*

- *Equipment*
  - *Appliances*
    - *Valves*
  - *Burners*

GAS, Town : Analysis : Gas chromatography, Four channel : Equipment
Four channel chromatograph for rapid gas analyses. R.L. Hill & J.M. Sonley. Laboratory Practice, 17 (Jan 68) p.55-9. il.

GAS, Town : Appliances : Flues
Venting of flue gas products. T.C. Carson. Oil & Gas Firing, 2 (Jul/Aug 68) p.14-18

GAS, Town : Appliances : Ignition
Unsolved problems of ignition on gas-fired appliances: summary of "Ignition on domestic and commercial gas-fired appliances" B. Ekins & A.M. Brown. Industrial Gas, 54 (Jan 68) p.13

GAS, Town : Appliances : Storage : Warehouses
'High speed gas' has smooth, efficient parts flow [Southern Gas Board] Storage Handling Distribution, 11 (Jan 68) p.22+. il.

GAS, Town : Boilers. See BOILERS, Gas fired
GAS, Town : Boilers : Heating : University buildings. See UNIVERSITY BUILDINGS : Heating : Boilers, Gas fired
GAS, Town : Boilers : Heating : Water. See WATER : Heating : Boilers, Gas fired

GAS, Town : Burners
Burners and flame technology. R. Cescotti. J. of Inst. of Fuel, 41 (Feb 68) p.77-84. il.

GAS, Town : Burners : Control systems : Design
Control units for automatic burners. P.G. Atkinson, R.M. Grimsey & R.A. Hancock. Instn. of Gas Engrs. J., 8 (Jun 68) p.341-57. refs.

GAS, Town : Cookers. See COOKERS, Gas
GAS, Town : Cyclone furnaces. See FURNACES, Cyclone, Gas fired

GAS, Town : Distribution
Status, marketing and gas supplies in a developing industry. C.H. Townsend. Gas J., 335 (17 Jul 68) p.43-4

GAS, Town : Distribution : Compressors : Diesel engines, Turbocharged
Engine-driven gas compressors for network distribution [Mirrlees National K Major engines for Southern Gas Board] Gas & Oil Power, 64 (Aug 68) p.188-91. il.

GAS, Town : Distribution : Control systems : Computers
Gas grid control. J. Bateman. Gas World, 166 (16 Dec 67) p.581-4
How digital computers can be an aid to the industry. T.A. Lucas & H.W.D. Hughes. Gas World, 167 (8 Jun 68) p.714-18
What price automation? (summary) T.A. Lucas & H.W.D. Hughes. Gas J., 335 (31 Jul 68) p.117-20. il. refs.

GAS, Town : Distribution : Control systems : Telemetering
Controlling holder stations in Scotland by telemetry (summary) D.R. Brooks. Gas World, 167 (4 May 68) p.538-9
Radio communication and telecontrol (summary) R.C. Griggs. Gas J., 333 (21 Feb 68) p.191-5
Radio communications and telecontrol. R.C. Griggs. Gas World, 167 (24 Feb 68) p.256+
Radio-telemetry control of gas distribution. Pipes & Pipelines, 13 (Sep 68) p.20-2. il.

GAS, Town : Distribution : Equipment : Maintenance
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Aspects of the direct analogue technique for solving fluid distribution network problems. R.W. Williams. Instrument Practice, 22 (Jan 68) p.54-6. il. refs.

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Introduction to network analysis. M. Hornsey. Gas J., 335 (18 Sep 68) p.301-3. refs.
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GAS, Town : Distribution : Network analysis : Computers, Analogue
On line-off line: study of the amalgamation of the North orbital pipeline into a comprehensive system of grid control. M.A. Luckett. Gas J., 333 (20 Mar 68) p.343+
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GAS, Town : Distribution .. North West England

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GAS, Town : Distribution .. Wales

From 'make' to 'take'—and back again in Wales. C.J.P. de Winton. Gas J., 334 (26 Jun 68) p.373-81. il.

GAS, Town : Distribution : Work study

Work study as an aid to management in Belfast. D.M. Stark & J.D. Jones. Gas J., 335 (28 Aug 68) p.216-18

GAS, Town : Education

44th Report of the Gas Education Committee: 1966-67. Instn. of Gas Engrs. J., 8 (Feb 68) p.75-101

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Training and education in the gas industry. R.S. Edwards. Instn. of Gas Engrs. J., 8 (Sep 68) p.594-607

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GAS, Town : Education : Universities

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Eastern Gas establishes an industrial development centre (Dunstable) Gas J., 334 (1 May 68) suppt. p.88-90. il.

Four Scottish firms use modern gas-fired plant. Gas J., 334 (3 Apr 68) suppt. p.71-2. il.

GAS, Town : Equipment : Conversion from producer gas : Magnesium production. See MAGNESIUM : Production : Equipment, Gas fired : Conversion from producer gas

GAS, Town : Equipment : Ignition

Unsolved problems of ignition on gas-fired appliances: summary of "Ignition on domestic and commercial gas-fired appliances" B. Ekins & A.M. Brown. Industrial Gas, 54 (Jan 68) p.13

GAS, Town : Equipment : Manufactures : Organisations

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GAS, Town : Equipment .. Scotland

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GAS, Town : Explosions : Collapse : Prefabricated flats. See FLATS, Prefabricated : Collapse : Explosions : Town gas

GAS, Town : Furnaces : Carburising : Transmissions : Motor vehicles. See MOTOR VEHICLES : Transmissions : Carburising : Furnaces, Gas fired

GAS, Town : Furnaces : Heat treatment. See HEAT : Treatment : Furnaces, Gas fired

GAS, Town : Furnaces : Melting : Copper. See COPPER : Melting : Furnaces, Gas fired

GAS, Town : Furnaces : Melting : Die casting. See DIE CASTING : Melting : Furnaces, Gas fired

GAS, Town : Furnaces : Melting : Die casting : Aluminium alloys. See ALUMINIUM : Alloys : Die casting : Melting : Furnaces, Gas fired

GAS, Town : Furnaces : Melting : Die casting : Aluminium alloys : Motor car parts. See MOTOR CARS : Parts : Aluminium alloys : Die casting : Melting : Furnaces, Gas fired

GAS, Town : Heating : Buildings. See BUILDINGS : Heating, Gas fired

GAS, Town : Heating : Clothing manufactures. See CLOTHING : Manufactures : Heating, Gas fired

GAS, Town : Heating : Houses. See HOUSES : Heating, Gas fired

GAS, Town : Heating : Housing. See HOUSING : Heating, Gas fired

GAS, Town : Heating : Industrial buildings. See INDUSTRIAL BUILDINGS : Heating, Gas fired

GAS, Town : Heating : Lead-Acid battery manufactures. See BATTERIES; Lead-Acid : Manufactures : Heating, Gas fired

GAS, Town : Heating : Office buildings. See OFFICE BUILDINGS : Heating, Gas fired

GAS, Town : Heating : Prefabricated housing. See HOUSING, Prefabricated : Heating, Gas

GAS, Town : Heating : Refining : Petroleum. See PETROLEUM : Refining : Heating, Gas fired

GAS, Town : Heating : Retail shops. See SHOPS, Retail : Heating, Gas fired

GAS, Town : Heating : Societies' buildings. See SOCIETIES' BUILDINGS : Heating, Gas

GAS, Town : Heating : University buildings. See UNIVERSITY BUILDINGS : Heating, Gas fired

GAS, Town : Heating : Water. See WATER : Heating, Gas fired

GAS, Town : Heating : Water : Housing. See HOUSING : Water : Heating, Gas fired

GAS, Town : Heating : Wire manufactures. See WIRES : Manufactures : Heating, Gas fired

GAS, Town ,, High pressure : Distribution

Controlling high speed gas [Parkinson Cowan Compteurs Ltd.] Engineering, 205 (29 Mar 68) p.471-3. il.

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Fully-tested equipment for high pressure gas distribution and control [Parkinson Cowan Compteurs Ltd., Cheadle, Cheshire] E. Ford. Gas J., 334 (17 Apr 68) p.69+. il.

Parkinson Cowan Compteurs: high pressure gas equipment test plant opened. Gas World, 167 (6 Apr 68) p.428-9. il.

GAS, Town ,, High pressure : Distribution : Control systems : Telemetering

Instrumentation [Parkinson Cowan Compteurs] Gas World, 168 (28 Sep 68) suppt. p.17

GAS, Town ,, High pressure : Distribution : Control systems : Telemetering, Microwave

How micro-wave radio moves bulk gas in E. Midlands. Gas J., 335 (21 Aug 68) p.183-7. il.

GAS, Town ,, High pressure : Pipelines : Testing : Hydrostatic pressure

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GAS, Town ,, High pressure : Pressure control

High pressure reduction control. R. Rhead. Gas J., 335 (17 Jul 68) p.41-3

GAS, Town ,, High pressure : Pressure control : Governors

Breakdown. R. Rhead. Gas World, 168 (27 Jul 68) suppt. p.11-14. il.

GAS, Town ,, High pressure : Production : Light petroleum distillates : Reforming

Slough .. Romford .. : two new plants supply high pressure gas to North Thames supergrid. C.J.P. de Winton. Gas J., 335 (31 Jul 68) p.105+. il.

GAS, Town,, High pressure : Storage : Pressure vessels; Steel, Mild

Current aspects and considerations of high pressure gas storage [Grangetown works, Cardiff] A.A. Clements. Gas World, 167 (6 Jul 68) p.12+

Design and construction of high-pressure gas storage [Grangetown Works, Cardiff] (summary) A.A. Clements. Gas J., 336 (16 Oct 68) p.61+

GAS, Town : Industry

Oil and gas: partners and competitors. R.R.B. Cox. Gas World, 167 (13 Jan 68) p.110-14

GAS, Town : Industry.. Great Britain

Pressure's on for Britain's gas industry. A. Facer. Gas J., 335 (10 Jul 68) p.21-4

Tasks ahead formidable—but so are the opportunities. A.F. Hetherington. Gas J., 336 (30 Oct 68) p.135-6

GAS, Town : Industry.. Italy

Italian gas industry: 'rationalised' but not 'nationalised'. Gas World, 167 (27 Apr 68) p.498-508. il.

GAS, Town : Industry.. Scotland

Scottish industrial customers number nearly 5,000. Gas J., 335 (4 Sep 68) p.173-4. il.

GAS, Town : Intermittent kilns : Bone china; Tableware. See TABLEWARE; Bone china : Kilns, Intermittent,; Gas fired

GAS, Town : Kilns : Bone china manufactures. See BONE CHINA : Manufactures : Kilns, Gas fired

GAS, Town : Kitchens : Catering establishments. See CATERING ESTABLISHMENTS : Kitchens, Gas fired

GAS, Town : Mains : Cleaning : Machines

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GAS, Town : Mains : Laying

Development [O.C. Summers Ltd.] Gas World, 166 (25 Nov 67) suppt. p.14-17. il.

Pipelaying achievement in the heart of London [O.C. Summers Ltd. for N.T.G.B.] Gas J., 334 (17 Apr 68) p.75-80. il.

GAS, Town : Mains : Sealing : Machines

Renovation [United Kingdom Construction & Engng. Co. Ltd, Liverpool] Gas World, 167 (29 Jun 68) suppt. p.14-15. il.

GAS, Town : Mains; Steel : Cathodic protection : Anodes

Development and application of a protection scheme to gas service pipes in Swindon. D.D. Way & K.G.C. Berkeley. Gas J., 335 (17 Jul 68) p.72-4

GAS, Town : Measurements : Metric system

Metrication will aid gas in Britain. Gas J., 334 (8 May 68) p.135-6

GAS, Town : Meters, Domestic : Governors

Governors [Sperryn] Gas World, 167 (30 Mar 68) suppt. p.6-8. il.

GAS, Town : Meters, Domestic : Manufactures

How production and handling techniques influenced meter designs. E. Ford. Mechanical Handling, 54 (Dec 67) p.521-3. il.

GAS, Town : Meters, Industrial

Developments in Roots type boosters and meters. P.H.G. Verity. Gas J., 333 (24 Jan 68) p.87-9

GAS, Town : Meters : Manufactures

Zephyr gas meters precision-built by mass production methods. E. Ford. Mass Production, 43 (Dec 67) p.27-32. il.

GAS, Town.. North East England

Future for gas in the north east [N.E. Gas Board] S.G. Deavin. Gas World, 168 (31 Aug 68) p.194-5

GAS, Town : Organisations

1967—the year in retrospect. Gas World, 167 (6 Jan 68) p.57-86. il.

GAS, Town : Ovens : Bakery products. See BAKERY PRODUCTS : Ovens, Gas fired

GAS, Town: Ovens: Baking: Meat pies. See MEAT: Pies: Baking: Ovens, Gas fired

GAS, Town : Ovens : Plastics; Coatings : Metals. See METALS : Coatings; Plastics : Ovens, Gas fired

GAS, Town : Pipelines : Land restoration

A.B.C. of pipelining [Agricultural Business Consultants] C. Sherriff. Gas J., 335 (18 Sep 68) p.311+. il.

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GAS-LIQUID CHROMATOGRAPHY : Carbon disulphide residues determination : Grain. See GRAIN : Determination of carbon disulphide residues : Gas-Liquid chromatography

GAS-LIQUID CHROMATOGRAPHY : Carbon-14 : Labelled dieldrin residue determination : Pheasants. See PHEASANTS : Determination of dieldrin residues, Labelled : Carbon-14 : Chromatography, Gas-Liquid

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GAS-LIQUID CHROMATOGRAPHY : Ethylene dichloride residues determination : Grain. See GRAIN : Determination of ethylene dichloride residues : Gas-Liquid chromatography

GAS-LIQUID CHROMATOGRAPHY : Fatty acids determination : Fat : Pork. See PORK : Fat : Determination of fatty acids : Chromatography, Gas-Liquid

GAS-LIQUID CHROMATOGRAPHY : Fatty acids determination : Rumen liquor. See RUMENS : Liquor : Determination of fatty acids : Gas-Liquid chromatography

GAS-LIQUID CHROMATOGRAPHY : Formaldehyde determination : Acetaldehyde. See ACETALDEHYDE : Determination of formaldehyde : Gas-Liquid chromatography

GAS-LIQUID CHROMATOGRAPHY : Irradiated organic chemicals. See ORGANIC CHEMICALS, Irradiated : Gas-Liquid chromatography

GAS-LIQUID CHROMATOGRAPHY : Isomers : Dihydrocarveol : Caraway oil. See CARAWAY OIL : Dihydrocarveol : Isomers : Gas-Liquid chromatography

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GAS-LIQUID CHROMATOGRAPHY : Organochlorine pesticide residues determination : Blood. See BLOOD : Determination of organochlorine pesticide residues : Gas-Liquid chromatography

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GAS–LIQUID CHROMATOGRAPHY : Trimethylsilyl derivatives : Sugar determination : Beer. See BEER : Determination of sugars : Trimethylsilyl derivatives : Gas–Liquid chromatography

GAS–LIQUID CHROMATOGRAPHY : Trimethylsilyl derivatives : Sugar determination : Worts : Brewing. See BREWING : Worts : Determination of sugars : Trimethylsilyl derivatives : Gas–Liquid chromatography

GAS–LIQUID CHROMATOGRAPHY : Volatile products : Thermal decomposition : Polymers. See POLYMERS : Thermal decomposition : Volatile products : Gas–Liquid chromatography

GAS–LIQUID SYSTEMS
Related Headings:
BUBBLES
DROPLETS
DROPS
FOAM
SPRAYS

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GAS PLATING : Equipment
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GAS PLATING : Plastics. See PLASTICS : Gas plating

GAS PLATING : Specimens : Scanning electron microscopy. See MICROSCOPY, Electron,, Scanning : Specimens : Gas plating

GAS PRESSURE BONDING : Compaction : Powders. See POWDERS : Compaction : Gas pressure bonding

GAS PRESSURE–VELOCITY : Effect on hydrogen : Reduction : Chlorosilanes : Epitaxial deposition : Silicon. See SILICON : Deposition, Epitaxial : Chlorosilanes : Reduction : Hydrogen : Effect of gas pressure–velocity

GAS PRESSURISATION : Cables : Telephony. See TELEPHONY : Cables : Gas pressurisation

GAS SHIELDED ARC WELDING. See WELDING, Arc,, Gas shielded

GAS SHIELDED ARC WELDING : Aluminium alloys : Shipbuilding materials. See ALUMINIUM : Alloys : Shipbuilding materials : Welding, Arc,, Gas shielded

GAS SHIELDED ARC WELDING : Aluminium–Magnesium; Tanks : Petroleum : Road tankers. See TANKERS, Road : Petroleum : Tanks; Aluminium–Magnesium : Welding, Arc,, Gas shielded

GAS SHIELDED ARC WELDING : Copper. See COPPER : Welding, Arc,, Gas shielded

GAS SHIELDED ARC WELDING : Galvanised mild steel; Sheets. See SHEETS; Steel, Mild,, Galvanised : Welding, Arc, Gas shielded

GAS SHIELDED ARC WELDING : Galvanised steel. See STEEL, Galvanised : Welding, Arc,, Gas shielded

GAS SHIELDED ARC WELDING : Tubes : Boilers. See BOILERS : Tubes : Welding, Arc,, Gas shielded

GAS SHIELDED ARC WELDING : Ultra-high vacuum equipment. See VACUUM, Ultra-high : Equipment : Welding, Arc,, Gas shielded

GAS SHIELDING. See ATMOSPHERES, Protective

GAS–SOLID CATALYTIC CHEMICAL REACTORS. See CHEMICAL REACTORS, Catalytic,, Gas–Solid

GAS–SOLID FLUIDISED BEDS. See FLUIDISED BEDS, Gas–Solid

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AEROSOLS
SMOKE

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GAS TURBINE MILITARY TRANSPORT SHIPS. See SHIPS, Military transport,,Gas turbine

GAS TURBINE RACING MOTOR CARS. See MOTOR CARS, Racing,, Gas turbine

GAS TURBINE TRACTIVE UNITS : Articulated motor vehicles. See MOTOR VEHICLES, Articulated : Tractive units, Gas turbine

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GAS TURBINES

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GAS TURBINES

Related Headings:

ENGINES, Free piston
TURBOFANS
TURBOJETS

GAS TURBINES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Technical activities
- *Manufactures*

Components
- *Bearings*
- *Compressors*
- *Nozzles*

GAS TURBINES–SUBHEADINGS–Synopsis–cont.

Applications
- Vehicles
  - *Aircraft*
    - *Helicopters*
  - *Hovercraft*
  - *Motor vehicles*
    - *Lorries*
    - *Motor cars*
  - *Ships*
- Electric power generation
  - *Alternators*

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Effect of stress cycling on the creep behaviour of a wrought nickel-base alloy at 955°C [Udimet 700] C.P. Sullivan, G.A. Webster & B.J. Piearcey. J. of Inst. of Metals, 96 (Sep 68) p.274-81. il. refs.

GAS TURBINES (Aircraft) Noise : Effect of convection

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GAS TURBINES (Alternators) Blast furnace waste gases

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GASEOUS DIFFUSION : Separation : Isotopes : Uranium; Fuels : Nuclear reactors. See NUCLEAR REACTORS : Fuels; Uranium : Isotopes : Separation : Gaseous diffusion

GASEOUS FUELS. See FUELS, Gaseous

GASEOUS PARAFFINS. See PARAFFINS, Gaseous

GASES
Related Headings:
FUMES
VAPOUR
VAPOUR PRESSURE

GASES : Absorption : Laminar jets : Liquids. See LIQUIDS : Jets, Laminar : Gas absorption

GASES : Absorption : Liquids. See LIQUIDS : Gas absorption

GASES : Absorption : Metals; Strips. See STRIPS; Metals : Gas absorption

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GASES, Corrosive : Reaction with chromium ammine complexes. See CHROMIUM AMMINE COMPLEXES : Reaction with gases, Corrosive

GASES : Counterdiffusion : Hot water. See WATER, Hot : Gas counterdiffusion

GASES : Cupolas : Melting : Nodular iron. See IRON, Nodular : Melting : Cupolas : Gases

GASES : Deformation : Surfaces : Liquids. See LIQUIDS : Surfaces : Deformation : Gases

GASES : Density : Measurement : Transducers, Frequency modulated

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Related Headings:
ELECTRON TUBES, Thermionic : Power generators
FUEL CELLS
MAGNETOHYDRODYNAMICS : Generators
SOLAR CELLS
THERMOELECTRICITY : Power generators

GENERATORS, Electrical, Electrostatic : Electric propulsion : Astronautics vehicles. See ASTRONAUTICS : Vehicles : Propulsion, Electric : Generators, Electrostatic

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GENERATORS, Gas. See GAS GENERATORS

GENERATORS : Gaussian L.F. electrical noise. See NOISE, Electrical,, L.F.,, Gaussian : Generators

GENERATORS : Gaussian noise : Control systems. See CONTROL SYSTEMS : Noise, Gaussian : Generators

GENERATORS : Impulse voltage. See VOLTAGE, Impulse : Generators

GENERATORS : Magnetohydrodynamics. See MAGNETOHYDRODYNAMICS : Generators

GENERATORS, Pattern : Receivers : Colour television. See TELEVISION, Colour : Receivers : Pattern generators

GENERATORS : Pseudorandom binary signals. See SIGNALS, Binary,, Pseudorandom : Generators

GENERATORS : Pulses. See PULSES : Generators

GENERATORS : Pulses : Synchronising signals : Colour television. See TELEVISION, Colour : Synchronising signals : Pulse generators

GENERATORS : Signals. See SIGNALS : Generators

GENERATORS : Signals : Receiver testing : V.H.F. television. See TELEVISION, V.H.F. : Receivers : Testing : Signal generators

GENERATORS : Sinusoidal waveforms : Second breakdown studies : Semiconductors. See SEMICONDUCTORS : Second breakdown : Studies : Waveforms, Sinusoidal : Generators

GENERATORS, Stripline : Nanosecond pulses. See PULSES, Nanosecond : Generators, Stripline

GENERATORS, Synchro. See SYNCHRO GENERATORS

GENERATORS : V.H.F. square waveforms. See WAVEFORMS, Square,, V.H.F. : Generators

GENERATORS : Waveforms : Colour television testing. See TELEVISION, Colour : Testing : Waveforms : Generators

GENOA

See

AIRPORTS.. Genoa

GEOBOTANICAL PROSPECTING. See PROSPECTING, Geobotanical

GEOCHEMICAL PROSPECTING : Molybdenum. See MOLYBDENUM : Prospecting, Geochemical

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GEOLOGY : Boring : Tunnels : Underground railways. See RAILWAYS, Underground : Tunnels : Boring : Geology

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ATMOSPHERE

GEOTECHNICS. See EARTHWORK

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GERMANIUM; Diodes : Microwave detectors. See DETECTORS, Microwave : Diodes; Germanium

GERMANIUM; Diodes : Microwave mixers. See MIXERS, Microwave : Diodes; Germanium

GERMANIUM, Lithium drift; Counters : Spectrometry : Gamma radiation. See GAMMA RADIATION : Spectrometry : Counters; Germanium, Lithium drift

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GERMANY

See

AIR TRANSPORT.. West Germany
AIRCRAFT : Manufactures.. West Germany
AIRPORTS.. Frankfurt
ARCHITECTURE.. Düsseldorf
ARCHITECTURE.. East Germany
BAUHAUS
BOILERS, Coal fired.. Germany
BOOKBINDING : Machines : Manufactures.. East Germany
CHEMICAL TECHNOLOGY.. West Germany
CHEMISTRY : Education.. West Germany
CHURCHES.. Korb
CHURCHES.. Mannheim
CHURCHES.. Neustadt
COAL : Mining : Machines.. West Germany
ELECTRIC POWER SYSTEMS.. West Germany
ENGINEERING : Design : Education.. Germany
FARM BUILDINGS.. Bavaria
FLATS.. Mail
FREIGHT : Transport : Railways : Containers : Terminals.. West Germany
GAS, Natural : Pipelines.. West Germany
GAS, Natural.. West Germany
GAS, Town : Production.. West Germany
GAS, Town.. West Germany
MACHINE TOOLS : Control systems.. East Germany
MOTORWAYS : Construction.. West Germany
MOTORWAYS.. West Germany
NUCLEAR ENERGY : Research.. West Germany

GERMANY
See–cont.
NUCLEAR ENERGY .. West Germany
NUCLEAR INSTRUMENTS .. West Germany
NUCLEAR POWER STATIONS .. Lingen
OPTICAL EQUIPMENT : Manufactures .. West Germany
PETROCHEMICALS : Industry .. West Germany
PETROLEUM : Drilling .. West Germany
PLASTICS : Industry .. East Germany
PLASTICS : Manufactures : Machines : Manufactures .. Germany
POWDER METALLURGY .. West Germany
RAILWAYS .. Düsseldorf
RAILWAYS .. Frankfurt
RAILWAYS .. Mainz
RAILWAYS, Underground .. Frankfurt
RAILWAYS, Underground .. Munich
RAILWAYS .. West Germany
ROADS : Markings .. West Germany
ROADS : Town planning .. Munich
RUBBER : Industry .. West Germany
RUBBER, Synthetic : Industry .. West Germany
SHEETS; Steel,, Coated .. West Germany
SHIPBUILDING .. West Germany
STRIPS; Steel,, Coated .. West Germany
TECHNOLOGY .. East Germany
TECHNOLOGY .. West Germany
TELEVISION .. West Germany
THEATRES .. Germany
TOWN AND COUNTRY PLANNING .. West Germany
TRAMWAYS .. East Germany
TRAMWAYS, Underground .. West Germany

GERMINATION : Malt production. See MALT : Production : Germination

GESTOGENS : Determination : Oral contraceptives. See CONTRACEPTIVES, Oral : Determination of gestogens

GHANA
See
IRRIGATION .. Volta River
SOIL, Residual .. Kumasi

GHENT
See
MARKETS : Buildings .. Ghent

GIBBERELLIC ACID TREATED POTATOES. See POTATOES, Gibberellic acid treated

GIBBS FREE ENERGY : Ideal mixtures. See MIXTURES, Ideal : Gibbs free energy

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See
LANDSCAPING : Town planning .. Gillingham (Dorset)

GIRDER BRIDGES. See BRIDGES, Girder

GIRDERS : Bridge construction : Railways. See RAILWAYS : Bridges : Construction : Girders

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GLAMORGAN
See
WATER: Engineering .. West Glamorgan

GLANDLESS METERING PUMPS. See PUMPS, Metering,, Glandless

GLANDLESS PUMPS. See PUMPS, Glandless

GLANDS : Bolted joints : Spun nodular iron; Pipes : Natural gas. See GAS, Natural : Pipes; Iron, Nodular,, Spun : Joints, Bolted : Glands

GLANDS : Polythene cables : Pressure hulls : Submarines. See SUBMARINES : Pressure hulls : Cables, Electric; Polythene : Glands

GLANDS : Pumps : Feedwater : Boilers. See BOILERS : Feedwater : Pumps : Glands

GLANDS : Pumps : Water. See WATER : Pumps : Glands

GLANDS : Repeaters : Polythene; Submarine cables : Telephony. See TELEPHONY : Cables, Submarine; Polythene : Repeaters : Glands

GLARE : Lighting. See LIGHTING : Glare

GLASGOW
See
GAS, Town : Production .. Glasgow
HOSPITALS .. Glasgow
HOUSING .. Glasgow
MARKETS : Buildings .. Glasgow
RAILWAYS, Electric .. Glasgow
RAILWAYS .. Glasgow
REFUSE : Collection .. Glasgow
ROADS : Cleansing .. Glasgow
ROADS .. Glasgow
ROADS : Town planning .. Glasgow
TRANSPORT, Public .. Glasgow

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Progress and growth. J.D. Mungay. Glass, 44 (Dec 67) p.546-52. il.

GLASS
Related Headings:
ENAMELS
SILICA, Fused

GLASS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Properties
  - *Thermodynamics*
  - *Molecular structure*
  - *Surfaces*
  - Mechanical properties
    - *Strength*
    - *Fracture*
  - Optical properties
    - *Refractometry*
  - *Electrical properties*
    - Semiconductors
  - *Ion bombardment*
  - Chemistry
    - *Dissolution*
    - *Determination of*

- Technical activities
  - *Microscopy*
  - *Manufactures*
    - *Melting*
    - *Machining*

- Kinds of glass
  - *E-type*
  - By process
    - *Toughened*

GLASS–SUBHEADINGS–Synopsis–cont.

- By material
  - *Silica*
  - *Silicate*
  - *Alkali silicate*
  - *Borosilicate*
  - *Cadmium borosilicate*
  - *Lead aluminosilicate*
  - *Sodium silicate*
  - *Sodium borosilicate*
  - *Soda–Lime*
  - *Soda–Lime–Silica*
  - *Soda–Lime–Copper–Ruby*
  - *Soda–Silica*
  - *Lithia–Silica*
  - Borate
    - *Alkali borate*
    - *Potassium aluminoborate*
    - *Alkaline earth borate*
      - *Potassium alkaline earth borate*
  - *Cadmium borogermanate*
  - *Boron trioxide*
  - *Soda–Boron trioxide–Niobium pentoxide*
  - *Phosphate*
  - *Alkaline earth phosphate*
  - *Arsenic sulphide*
  - *Tin*
- By purpose
  - *Optical*

- Applications
  - *Building materials*

GLASS; Air preheaters : Water tube boilers. See BOILERS, Water tube : Air preheaters; Glass

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GLASS, Alkali borate : Chromium, Hexavalent : Spectrophotometry, Ultraviolet

Ultraviolet absorption of chromium (VI) in some binary and ternary alkali and alkaline earth oxide glasses. A. Paul & R.W. Douglas. Physics & Chemistry of Glasses, 9 (Feb 68) p.27-31. refs.

GLASS, Alkali borate : Cobalt, Divalent : Spectrophotometry, Ultraviolet

Optical absorption of divalent cobalt in binary alkali borate glasses and its relation to the basicity of glass. A. Paul & R.W. Douglas. Physics & Chemistry of Glasses, 9 (Feb 68) p.21-6. refs.

GLASS, Alkali borate : Nickel, Divalent : Coordination : Equilibria

Co-ordination equilibria of nickel (II) in alkali borate glasses. A. Paul & R.W. Douglas. Physics & Chemistry of Glasses, 8 (Dec 67) p.233-7. refs.

GLASS, Alkali silicate : Electrical conductivity : Mixed alkali effect

Measurement of ionic transport in glass. Pt.1 : mixed alkali glasses. K. Hughes & J.O. Isard. Physics & Chemistry of Glasses, 9 (Apr 68) p.37-42. refs.

GLASS, Alkaline earth borate : Chromium, Hexavalent : Spectrophotometry, Ultraviolet

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Spectra of iron in alkaline earth phosphate glasses. C. Hirayama, J.G. Castle, Jr. & M. Kuriyama. Physics & Chemistry of Glasses, 9 (Aug 68) p.109-14. refs.

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GLASS, Boron trioxide : Boroxol groups

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Properties of borosilicate glass. P.G. Heslop. Laboratory Practice, 17 (Sep 68) p.1024-6

GLASS, Borosilicate; Food processing equipment. See FOOD : Processing : Equipment; Glass, Borosilicate

GLASS, Borosilicate : Silver diffusion : Studies : Radioisotopes

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GLASS, Borosilicate; Toroids. See TOROIDS; Glass, Borosilicate

GLASS, Borosilicate; Tubes. See TUBES; Glass, Borosilicate

GLASS; Bottles. See BOTTLES; Glass

GLASS : Building materials

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GLASS : Building materials, Sunproof

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GLASS, Cadmium borosilicate,, Photoconductive : Phase separation : Studies : Electron microscopy

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GLASS, Calcium magnesium aluminosilicate : Glass ceramics production. See GLASS CERAMICS : Production : Glass, Calcium magnesium aluminosilicate

GLASS, Cation sensitive; Electrodes. See ELECTRODES; Glass, Cation sensitive

GLASS, Coated : Potential analogues : Electrodes. See ELECTRODES : Potential : Analogues : Glass, Coated

GLASS; Containers. See CONTAINERS; Glass

GLASS; Containers : Food. See FOOD : Containers; Glass

GLASS; Containers : Fruit. See FRUIT : Containers; Glass

GLASS; Containers : Storage : Fission products : Wastes : Nuclear reactors. See NUCLEAR REACTORS : Wastes : Fission products : Storage : Containers; Glass

GLASS; Containers : Vegetables. See VEGETABLES : Containers; Glass

GLASS : Conversion : Storage : Fission products : Wastes : Nuclear reactors. See NUCLEAR REACTORS : Wastes : Fission products : Storage : Conversion : Glass

GLASS : Determination of boron : Neutron–Gamma spectrometry

Determination of boron in glass by thermal neutron capture gamma-ray analysis. B.W. Garbrach & J.E. Whitley. Glass Technology, 8 (Dec 67) p.154-6. il. refs.

GLASS; Discs. See DISCS; Glass

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GLASS, Expanded : Thermal insulation : Cold stores. See COLD STORES : Insulation, Thermal : Glass, Expanded

GLASS; Factories. See FACTORIES; Glass

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GLASS; Lasers : Excitation : Raman effect. See RAMAN EFFECT : Excitation : Lasers; Glass

GLASS, Lead aluminosilicate ,, Photoconductive : Phase separation : Studies : Electron microscopy

Two-liquid phase structure of photoconducting oxide glasses. V. Caslavska, D. Strickler, D. Gibbon & R. Roy. J. of Materials Science, 3 (Jul 68) p.440-5. il. refs.

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GLASS; Louvres : Office buildings. See OFFICE BUILDINGS : Louvres; Glass

GLASS : Machining, Diamond

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GLASS : Manufactures

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Glass making by the flat drawn process—an application of tubular forgings for rollers [Tubes Ltd (TI) at Pilkington Brothers Ltd] Glass, 45 (Jun 68) p.269. il.

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Tendency of refractories to produce bubble in soda–lime–silica glasses. I.E.J. Sainsbury. Glass Technology, 8 (Dec 67) p.138-47. refs.

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Characteristics of regenerators of glass melting tanks and their performance. P. Boggum. Glass, 44 (Dec 67) p.556-8. il.

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TOWN PLANNING .. Haverfordwest

HAWKER SIDDELEY BUCCANEER MILITARY AIRCRAFT. See AIRCRAFT, Military, Types, Hawker Siddeley Buccaneer

HAWKER SIDDELEY HS125 LIGHT AIRCRAFT. See AIRCRAFT, Light, Types, Hawker Siddeley HS125

HAWKER SIDDELEY HS748 AIRCRAFT. See AIRCRAFT, Types, Hawker Siddeley HS748

HAWKER SIDDELEY HARRIER MILITARY AIRCRAFT. See AIRCRAFT, Military, Types, Hawker Siddeley Harrier

HAWKER SIDDELEY NIMROD MR1 MILITARY AIRCRAFT. See AIRCRAFT, Military, Types, Hawker Siddeley Nimrod MR1

HAWKER SIDDELEY TRIDENT AIRCRAFT. See AIRCRAFT, Types, Hawker Siddeley Trident

HAWKER SIDDELEY TRIDENT 2 AIRCRAFT. See AIRCRAFT, Types, Hawker Siddeley Trident 2

HAWKER SIDDELEY TRIDENT 2E AIRCRAFT. See AIRCRAFT, Types, Hawker Siddelay Trident 2E

HAWKER SIDDELEY TRIDENT 3B AIRCRAFT. See AIRCRAFT, Types, Hawker Siddeley Trident 3B

HAY : Preservation : Formic acid
Chemical conservation. R. Bee. Agriculture, 75 (Mar 68) p.114-8. il.

HAY : Storage
Aim at the best of both worlds: look at current developments in grass conservation techniques and tackle. A. Collier. Power Farming, 40 (Apr 68) p.10+. il.

HAY FEVER : Effect on industrial accidents. See ACCIDENTS, Industrial : Effect of hay fever

HAZE : Beer. See BEER : Haze

HAZE : Worts : Brewing. See BREWING : Worts : Haze

HEAD BOXES; P.V.C. : Papermaking machines. See PAPERMAKING : Machines : Head boxes; P.V.C.

HEAD BOXES : Papermaking machines. See PAPERMAKING : Machines : Head boxes

HEAD RETENTION : Beer. See BEER : Head retention

HEAD UP DISPLAY UNITS : Instruments : Aircraft. See AIRCRAFT : Instruments : Display units, Head up

HEAD UP DISPLAY UNITS : Instruments : Military aircraft See AIRCRAFT, Military : Instruments : Display units, Head up

HEADER TANKS : Radiators : Lorries. See LORRIES : Radiators : Tanks, Header

HEADERS; Steel–Manganese : Boilers. See BOILERS : Headers; Steel–Manganese

HEADING, Cold. See COLD HEADING

HEADLIGHTS, Dipped : Motor vehicles : Effect on night accidents : Roads. See ROADS : Accidents : Night : Effect of motor vehicle headlights, Dipped

HEADLIGHTS : Motor cars
Silent revolution in car lighting. Engineer, 226 (18 Oct 68) p.590-1. il.

HEADLIGHTS (Motor cars) Directionally controlled
Citroen directionally-controlled lighting system [Pallas] Automobile Engr., 58 (Jun 68) p.258-9. il.

HEADLIGHTS (Motor vehicles) Dazzle : Prevention : Equipment
Automatic anti-dazzle [Lucas Autosensa Automatic Projector] H. Hastings. Motor (23 Oct 68) p.23+. il.
Autosensa: supplementary non-dazzle car lamp. Autocar, 129 (24 Oct 68) p.102. il.
Major advances in electrics: doubling the seeing distance [Joseph Lucas Ltd. Autosensa automatic projector] Commercial Motor, 128 (25 Oct 68) p.25+. il.

HEADPHONES, Electrostatic
High-quality electrostatic headphones. J.P. Wilson. Wireless World, 74 (Dec 68) p.440-3. il. refs.

HEADPHONES : Stereo reproduction : Sound. See SOUND : Reproduction, Stereo : Headphones

HEADSTOCKS, Sliding : Automatics. See AUTOMATICS : Machine tools : Headstocks, Sliding

HEALTH, Industrial. See INDUSTRIAL HEALTH

HEALTH, Industrial : Chemical technology. See CHEMICAL TECHNOLOGY : Industrial health

HEALTH, Industrial : Compressed air : Boring : Tunnels. See TUNNELS : Boring : Compressed air : Industrial health

HEALTH, Industrial : Compressed air : Caissons. See CAISSONS : Compressed air : Industrial health

HEALTH, Industrial : Dust : Asbestos. See ASBESTOS : Dust : Industrial health

HEALTH, Industrial : Ultrasonics. See ULTRASONICS : Industrial health

HEALTH CENTRES .. Bexley
First health centre for Bexley. Architects' J., 146 (13 Dec 67) p.1501+. il.

HEALTH CENTRES .. Camden .. Gospel Oak
Clinic and nursery, Gospel Oak, London. Architectural Rev., 143 (Jan 68) p.11. il.

HEALTH CENTRES : Chimneys
Fireplace and chimney: Welfare centre, Sakyla, Finland. Architects' J., 147 (22 May 68) p.1155-6. il.

HEALTH CENTRES : Computers
Production-line medical screening. R.J. Donaldson. New Scientist, 36 (7 Dec 67) p.587-9. il.

HEALTH CENTRES : Consulting rooms
Kelso consulting rooms. Architectural Rev., 143 (Mar 68) p.201-4. il.

HEALTH CENTRES : Fireplaces
Fireplace and chimney: Welfare centre, Sakyla, Finland. Architects' J., 147 (22 May 68) p.1155-6. il.

HEALTH CENTRES .. Lambeth
Group practice and children's home, Lambeth, London. Architectural Rev., 143 (Jan 68) p.14. il.

HEALTH CENTRES : Secondary schools. See SCHOOLS, Secondary : Health centres

HEALTH CENTRES .. Thamesmead
Health centre, Thamesmead, London. Architectural Rev., 143 (Jan 68) p.12-13. il.

HEARING
Related Headings:
ACOUSTIC REFLEX

HEARING : Effect of noise, Industrial
What priority do you give to ear protection? Industrial Safety, 14 (Aug 68) p.410-11

HEARING : Motor response : Ear–Hand spatial relationships
Choice reaction time as a function of auditory S-R correspondence, age and sex. J.R. Simon. Ergonomics, 10 (Nov 67) p.659-64. refs.

HEARING : Thresholds : Effect of noise
Compatible exposure and recovery functions for temporary threshold shift—mechanical and electric models. J.S. Keeler. J. of Sound & Vibration, 7 (Mar 68) p.220-35. il. refs.

HEARING : Thresholds : Monaural minimum audible pressure
Monaural M.A.P. threshold of hearing at frequencies from 1.5 to 100 c/s. N.S. Yeowart, M.E. Bryan & W. Tempest. J. of Sound & Vibration, 6 (Nov 67) p.335-42. il. refs.

HEART : Pumping force : Measurement : Instruments
Related Headings:
BALLISTOCARDIOGRAPHS

HEART : Rate : Mental work. See WORK, Mental : Heart rate

HEAT
Related Headings:
TEMPERATURE
THERMAL
THERMOELECTRICITY

HEAT–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Transfer
  Loss
  Exchangers
  Conduction
  Convection
  Radiation

Ergonomics
  Exchange : Physiology

Applications
  Treatment

HEAT : Capacity : Arsenic sulphide glass. See GLASS, Arsenic sulphide : Heat capacity

HEAT : Capacity : Nickel–Titanium. See NICKEL–TITANIUM : Heat capacity

HEAT : Capacity : Soda–Lime–Silica glass. See GLASS, Soda–Lime–Silica : Heat capacity

HEAT : Capacity : Sodium borosilicate glass. See GLASS, Sodium borosilicate : Heat capacity

HEAT : Capacity : Vapour : Olefins. See OLEFINS : Vapour : Heat capacity

HEAT : Coal fired boilers : Heating : Houses. See HOUSES : Heating : Boilers, Coal fired : Heat

HEAT : Conduction
First principles: conduction. Works Engng. & Factory Services, 63 (Mar 68) p.28+. il.

HEAT : Conduction
Related Headings:
THERMAL CONDUCTIVITY

HEAT : Conduction : Boundary conditions : Differential equations, Partial ,, Parabolic : Numerical solution
Explicit solution of the equation of heat conduction. G.M. Birtwistle. Computer J., 11 (Nov 68) p.317-23. refs.
Numerical solution of linear one-dimensional parabolic problems by the method of moments. E.L. Albasiny & W.A. Day. J. of Inst. of Mathematics & its Applications, 4 (Jun 68) p.140-62. refs.

HEAT : Conduction : Calculations : Monte Carlo method : Education
Monte Carlo methods as an aid in teaching heat conduction. G.E. Zinsmeister. Bull. of Mechanical Engng. Education, 7 (Jan-Mar 68) p.77-86. refs.

HEAT : Conduction : Carbon dioxide. See CARBON DIOXIDE : Heat conduction

HEAT : Conduction : Effect on gravity internal waves : Shear flow : Stratified fluids. See FLUIDS, Stratified : Flow, Shear : Waves, Internal ,, Gravity : Effect of heat conduction

HEAT : Conduction : Flow, Unsteady : Fourier equation : Solution
Unsteady-state heat conduction. A.S. Goldberg. Chemical & Process Engng., 49 (Nov 68) p.118-22. refs.

HEAT : Conduction : Metals; Rods. See RODS; Metals : Heat conduction

HEAT : Conduction : Nitrous oxide. See NITROUS OXIDE : Heat conduction

HEAT : Conduction : Sliding metals. See METALS : Sliding : Heat conduction

HEAT : Dissipation : Electronic equipment. See ELECTRONIC EQUIPMENT : Heat dissipation

HEAT : Dissipation : Estuaries : Sea water discharge : Cooling systems : Power stations. See POWER STATIONS : Cooling systems : Sea water : Discharge : Estuaries : Heat dissipation

HEAT : Dissipation : Film boiling : Superfluidity : Liquid helium : Superconducting horizontal wires. See WIRES, Horizontal ,, Superconducting : Helium, Liquid : Superfluidity : Boiling, Film : Heat dissipation

HEAT : Effect on protein. See PROTEIN : Effect of heat

HEAT : Engines
Related Headings:
RANKINE CYCLE ENGINES

HEAT : Ergonomics
Ergonomics—fitting the job to the worker. Pt.2: general work conditions (summary) K.F.H. Murrell. Light Production Engng., 5 (Dec 67) p.14-19. il.
Human factors in space heating. F.A. Chrenko. Municipal J., 76 (15 Mar 68) p.637
Thermal comfort. F.A. Chrenko. Instn. of Mechanical Engrs. Proc., 182 pt.3E (1967-68) p.13-19. il. refs.
Working environment. N.S. Billington. Instn. of Mechanical Engrs. Proc., 182 pt.3E (1967-68) p.1-7. refs.
Working environment (summary) N.S. Billington. Steam & Heating Engr., 37 (Jun 68) p.41-7. refs.

HEAT : Exchange : Physiology : Studies : Thermometers, Globe
Small globe thermometers. E.N. Hey. J. of Scientific Instruments, 1 (Sep 68) p.955-7. refs.

HEAT : Exchangers
Pioneer [Grasso-Stacon N.V., Netherlands] C. Hoek & W.M. Walraven. Gas World, 167 (24 Feb 68) suppt. p.20+. il.

HEAT : Exchangers, Air cooled : Tubes, Finned
Finned tubes for air-cooled heat exchangers. K. Sherwin. J. of Fuel & Heat Technology, 15 (Jul 68) p.21-4. il.

HEAT : Exchangers, Baffled : Pressure loss
Shell-side pressure loss in baffled heat exchangers. R.O. Parker & Y.I. Mok. Brit, Chemical Engng., 13 (Mar 68) p.366-8. il. refs.

HEAT : Exchangers; Ceramics : Heating : Air. See AIR : Heating : Heat exchangers; Ceramics

HEAT : Exchangers : Coils : Heat transfer
Pressure drop and heat transfer in coils. P.S. Srinivasan, S. S. Nandapurkar & F.A. Holland. Chemical Engr. (May 68) p.CE113-19. refs.

HEAT : Exchangers : Coils : Pressure drop
Pressure drop and heat transfer in coils. P.S. Srinivasan. S. S. Nandapurkar & F.A. Holland. Chemical Engr. (May 68) p.CE113-19. refs.

HEAT : Exchangers : Cold filtration : Hair preparations. **See** HAIR PREPARATIONS : Filtration, Cold : Heat exchangers

HEAT : Exchangers : Fins : Heat transfer : Analogues : Electrical networks
Electrical network method for combined free convective and radiative transfer from annular finned surfaces. J.C. Dent. Brit. Chemical Engng., 13 (Jan 68) p.90-3. il. refs.

HEAT : Exchangers; Graphite : High pressure
Graphite heat exchangers for high pressures [Polybloc] A. Hilliard. Chemical Processing, 13 (Dec 67) p.24-7. il.

HEAT : Exchangers : Maintenance
New service to industry [Industrial Thermal Services Ltd.] E.L.M. Leigh. Oil & Gas Firing, 3 (Oct 68) p.25-7. il.

HEAT : Exchangers : Manufactures
Fabrication of heat-exchangers and specialized vessels at Horseley Bridge & Thomas Piggott Ltd. Welding & Metal Fabrication, 36 (Jul 68) p.240-5. il.

HEAT : Exchangers (Power stations) Alloys
New corrosion-resistant high temperature heat exchanger materials. D.R. Holmes. Corrosion Science, 8 (Aug 68) p.603-22. refs.

HEAT : Exchangers (Refrigerators) Tubes, Finned; Aluminium
Alubond—technique for the production of all-aluminium finned coils. A. Contardo & F. Baisero. Modern Refrigeration, 71 (Jun 68) p.53+. il.

HEAT : Exchangers, Scraped surface
Scraped surface heat transfer with KnitMesh scrapers. T.R. Bott & S. Azoory. Brit. Chemical Engng., 13 (Mar 68) p.372-4. il. refs.

HEAT : Exchangers, Scraped surface : Back mixing
Scraped-surface heat exchangers. Pt.2: effects of axial dispersion on heat transfer. T.R. Bott, S. Azoory & K.E. Porter. Trans. of Instn. of Chemical Engrs., 46 (Mar 68) p.T37-42. refs.

HEAT : Exchangers, Scraped surface : Residence times
Scraped-surface heat exchangers. Pt.1: hold-up and residence time studies. T.R. Bott, S. Azoory & K.E. Porter. Trans. of Instn. of Chemical Engrs., 46 (Mar 68) p.T33-6. refs.

HEAT : Exchangers, Shell and tube
Heat transfer on the shell-side of a cylindrical shell-and-tube heat exchanger fitted with segmental baffles. Pt.1: bundle and zonal average heat transfer coefficients. B. Gay & T.A. Williams. Trans. of Instn. of Chemical Engrs., 46 (Apr 68) p.T95-100. il. refs.

HEAT : Exchangers, Shell and tube : Welding
Vessel fabrication techniques. E.A.D. Saunders, S.N.G. Thomas & R. Horn. Chemical & Process Engng., 49 (May 68) p.75+. il.

HEAT : Exchangers : Ultra-high temperature sterilisation : Milk. See MILK : Sterilisation, Ultra-high temperature : Heat exchangers

HEAT : Exchangers : Vibrations
Flow-induced vibrations in cross-flow heat exchangers. W.M. Walker & G.F.S. Reising. Chemical & Process Engng., 49 (Nov 68) p.95+. il. refs.

HEAT : Loss : Boilers. See BOILERS : Heat loss

HEAT : Loss : Calculation
New convention in heat loss calculations: I.H.V.E. guide, 1970. A.A. Cornell. Steam & Heating Engr., 38 (Nov 68) p.31-3

HEAT : Loss : Housing. See HOUSING : Heat loss

HEAT : Loss : Petroleum : Tankers : Ships. See TANKERS : Ships : Petroleum : Heat loss

HEAT : Measurement
Related Headings:
CALORIMETERS
CALORIMETRY

HEAT : Pulses, Sinusoidal : Thermal conductivity measurement : Fluids. See FLUIDS : Thermal conductivity : Measurement : Heat pulses, Sinusoidal

HEAT : Pumps, Thermoelectric : Teaching : Thermodynamics. See THERMODYNAMICS : Teaching : Heat pumps, Thermoelectric

HEAT : Radiations
Radiation. Works Engng. & Factory Services, 63 (Jan 68) p.40-2

HEAT : Radiations
Related Headings:
EMISSIVITY
INFRA-RED RADIATION
RADIOMETERS

HEAT : Radiations : One dimensional distribution : Measurement : Radiometers
Radiometer for measuring thermal radiation intensity of one dimensional distribution. H.Y. Wong & S.R. Aggarwal. Laboratory Practice, 17 (Nov 68) p.1240-2. il. refs.

HEAT, Radiations : Tubes : Furnaces. See FURNACES : Heat radiations

HEAT: Recovery: Air conditioning. See AIR CONDITIONING: Waste heat utilisation

HEAT : Recovery : Air conditioning : Office buildings. See OFFICE BUILDINGS : Air conditioning : Waste heat utilisation

HEAT : Recovery : Diesel engines : Ships. See SHIPS : Diesel engines : Waste heat recovery

HEAT : Recovery : Electric heating : Office buildings. See OFFICE BUILDINGS : Heating, Electric : Waste heat recovery

HEAT : Recovery : Gas turbines : Alternators. See ALTERNATORS : Gas turbines : Waste heat recovery

HEAT : Recovery : Incinerators : Refuse. See REFUSE : Incinerators : Waste heat recovery

HEAT : Recovery : Natural gas : Gas turbines : Alternators. See ALTERNATORS : Gas turbines : Natural gas : Waste heat recovery

HEAT : Recovery : Reforming : Hydrocarbons : Town gas production. See GAS, Town : Production : Hydrocarbons : Reforming : Waste heat recovery

HEAT : Recovery : Synthesis gas : Ammonia production. See AMMONIA : Production : Synthesis gas : Waste heat recovery

HEAT : Resistance : Leather; Linings : Footwear. See FOOTWEAR : Linings; Leather : Heat resistance

HEAT : Resistance : Leather; Uppers : Footwear. See FOOTWEAR : Uppers; Leather : Heat resistance

HEAT : Setting : Knitted fabrics. See FABRICS, Knitted : Setting, Heat

HEAT : Setting : Lasting : Chrome leather; Footwear. See FOOTWEAR; Leather, Chrome : Lasting : Setting, HEAT : Setting : Textured man made fibres yarns. See YARNS; Man made fibres,, Textured : Setting : Heat

HEAT : Setting : Web offset lithography. See LITHOGRAPHY, Web offset : Heat setting

HEAT : Sinks : Power transistors. See TRANSISTORS, Power : Heat sinks

HEAT : Sinks : Semiconductors. See SEMICONDUCTORS : Heat sinks

HEAT, Specific. See SPECIFIC HEAT

HEAT, Specific : Magnetic alloys. See ALLOYS, Magnetic : Specific heat

HEAT, Specific : Methyl ammonium alum. See METHYL AMMONIUM ALUM : Specific heat

HEAT : Switches : Cryostats. See CRYOSTATS : Heat switches

HEAT : Transfer

Blowing hot and cold: some reflections on heat transfer (abstract) A.J. Ede. Heating & Ventilating Engr., 41 (Jan 68) p.348+

HEAT : Transfer

Related Headings:

CONVECTION
CONVECTORS
COOLING
COOLING SYSTEMS
RADIATORS
THERMAL CONDUCTIVITY

HEAT : Transfer, Axial : Entry region : Laminar flow : Pipes. See PIPES : Flow, Laminar : Entry region : Heat transfer, Axial

HEAT : Transfer : Boiling : Stirred pentane–water. See PENTANE–WATER, Stirred : Boiling : Heat transfer

HEAT : Transfer : Coils : Heat exchangers. See HEAT : Exchangers : Coils : Heat transfer

HEAT : Transfer : Contacts : Heat switches : Cryostats. See CRYOSTATS : Heat switches : Contacts : Heat transfer

HEAT : Transfer : Cylinders. See CYLINDERS : Heat transfer

HEAT : Transfer : D.C. electrical discharge augmented propane–air flames. See FLAMES; Propane–Air,, Augmented : Electrical discharge, D.C. : Heat transfer

HEAT : Transfer : Dual fuel engines. See ENGINES, Dual fuel : Heat transfer

HEAT : Transfer : Entry region : Flow : Pipes. See PIPES : Flow : Entry region : Heat transfer

HEAT : Transfer : Evaporators. See EVAPORATORS : Heat transfer

HEAT : Transfer : Flow : Gases : Packed beds. See PACKED BEDS : Gases : Flow : Heat transfer

HEAT : Transfer : Flowing particles. See PARTICLES, Flowing : Heat transfer

HEAT : Transfer : Fluidised beds : Furnaces : Coal fired boilers. See BOILERS, Coal fired : Furnaces : Fluidised beds : Heat transfer

HEAT : Transfer : Gas–Solid fluidised beds. See FLUIDISED BEDS, Gas–Solid : Heat transfer

HEAT : Transfer : Gas–Solid systems. See GAS–SOLID SYSTEMS : Heat transfer

HEAT : Transfer : Horizontal pipes : Flow : Two phase non-Newtonian fluids. See FLUIDS, Non-Newtonian,, Two phase : Flow : Pipes, Horizontal : Heat transfer

HEAT : Transfer : Hot water : Heating. See HEATING : Hot water : Heat transfer

HEAT : Transfer : Laminar boundary layer : Aerofoils. See AEROFOILS : Boundary layer, Laminar : Heat transfer

HEAT : Transfer : Laminar boundary layer : Hypersonic flow : Cones. See CONES : Flow, Hypersonic : Boundary layer, Laminar : Heat transfer

HEAT : Transfer : Laminar flow : Spheres. See SPHERES : Flow, Laminar : Heat transfer

HEAT : Transfer : Liquids : Moving bodies : High temperature. See HIGH TEMPERATURE : Bodies, Moving : Liquids : Heat transfer

HEAT : Transfer : Mechanical seals : Pumps. See PUMPS : Seals, Mechanical : Heat transfer

HEAT : Transfer : Oil fired boilers : Warships. See WARSHIPS : Boilers, Oil fired : Heat transfer

HEAT : Transfer : Pipes : Turbulent airflow. See AIRFLOW, Turbulent : Pipes : Heat transfer

HEAT : Transfer : Pipes : Turbulent flow : Aqueous solutions : Ethylene glycol. See ETHYLENE GLYCOL : Aqueous solutions : Flow, Turbulent : Pipes : Heat transfer

HEAT : Transfer : Quadratic velocity profiles : Flow : Fluids. See FLUIDS : Flow : Velocity profiles, Quadratic : Heat transfer

HEAT : Transfer : Roofs. See ROOFS : Heat transfer

HEAT : Transfer : Rotating stratified fluids. See FLUIDS, Stratified,, Rotating : Heat transfer

HEAT : Transfer : Spiral ribbed pipes : Flow : Water. See WATER : Flow : Pipes, Ribbed, Spiral : Heat transfer

HEAT : Transfer : Stirred tanks : Mixing : Non-Newtonian fluids. See FLUIDS, Non-Newtonian : Mixing : Tanks, Stirred : Heat transfer

HEAT : Transfer : Stokes flow : Spheres. See SPHERES : Flow, Stokes : Heat transfer

HEAT : Transfer : Studies : Interferometers, Mach–Zehnder

Field Mach-Zehnder interferometer for heat transfer studies. R.G.Brooks, S.D. Probert & J. Maxwell. Measurement & Control, 1 (Jan 68) p.T9-16. il. refs.

HEAT : Transfer : Tube furnaces : Reforming : Steam–Naphtha : Synthesis gas production. See SYNTHESIS GAS : Production : Steam–Naphtha : Reforming : Furnaces, Tube : Heat transfer

HEAT : Transfer : Turbulent boundary layer : Supersonic flow : Fluids. See FLUIDS : Flow, Supersonic : Boundary layer, Turbulent : Heat transfer

HEAT : Transfer : Underground electric cables. See CABLES, Electric,, Underground : Heat transfer

HEAT : Transfer : Walls. See WALLS : Heat transfer

HEAT : Treatment

Related Headings:

ANNEALING
HARDENING
QUENCH AGEING
QUENCHING
SALT BATHS : Heat treatment
STRESS RELIEVING
TEMPERING

HEAT : Treatment : Air hardening steel : Tools. See TOOLS : Steel, Air hardening : Heat treatment

HEAT : Treatment : Costs

Heat treatment costing. L.E. Plimley. Metallurgia, 78 (Jul 68) p.21-3

HEAT : Treatment : Furnaces

Heat treatment [Birlec Ltd., Aldridge] Engineering, 206 (1 Nov 68) p.648-9. il.

Recent heat treatment furnace installations: annual survey of developments. Metallurgia, 77 (Jun 68) p.243-61. il.

HEAT : Treatment : Furnaces : Atmospheres, Protective

Protective atmospheres. S. Moore. Chemical & Process Engng., 49 (Mar 68) p.89-94. il. refs.

HEAT : Treatment : Furnaces, Gas fired

High velocity combustion in a heat treatment furnace [Andrews Toledo Ltd., Sheffield] Brit. Steelmaker, 34 (Sep 68) p.28-30. il.

HEAT : Treatment : Hydraulic machinery components. See HYDRAULIC MACHINERY : Components : Heat treatment

HEAT : Treatment : Iron. See IRON : Heat treatment

HEAT : Treatment : Low alloy steel. See STEEL, Low alloy : Heat treatment

HEAT : Treatment : Mar-ageing steel–cobalt–molybdenum–nickel. See STEEL–COBALT–MOLYBDENUM–NICKEL, Mar-ageing : Heat treatment

HEAT : Treatment : Plant

Contract heat-treatment [Wild Barfield Ltd., Watford] Tooling, 22 (Jul 68) p.37-9. il.

Contract heat treatment service: Birlec's facilities expanded at Aldridge. Metallurgia, 78 (Nov 68) p.192-6. il.

HEAT : Treatment : Steel. See STEEL : Heat treatment

HEAT : Treatment : Steel–Titanium carbide; Tools. See TOOLS; Steel–Titanium carbide : Heat treatment

HEAT : Treatment, Vacuum

Vacuum heat treatment. R.W. Reynoldson. Electrical Times, 154 (29 Aug 68) suppt. p.17+. il.

HEAT : Treatment : Wires. See WIRES : Heat treatment

HEAT : Utilisation : Fluorescent lighting. See LIGHTING, Fluorescent : Heat utilisation

HEAT : Utilisation : Lighting. See LIGHTING : Heat utilisation

HEAT : Utilisation : Lighting : Industrial buildings. See INDUSTRIAL BUILDINGS : Lighting : Heat utilisation

HEAT CAMERAS

Thermography in real time—its application to non-destructive testing. L. Bergstrom & S.B. Borg. Brit. J. of Non-Destructive Testing, 10 (Jun 68) p.34-9. il.

HEAT CAMERAS, Wide angle

Wide-angle infra-red camera for industry. P. Blomgren. Industrial Electronics, 6 (Nov 68) p.452-6. il.

HEAT OF SOLUTION : Aqueous solutions : Ethylene. See ETHYLENE : Aqueous solutions : Heat of solution

HEAT OF SOLUTION : Aqueous solutions : Pyridine. See PYRIDINE : Aqueous solutions : Heat of solution

HEAT OF SOLUTION : Enthalpy derivation : Alkali halides : Electrolytes. See ALKALI HALIDES : Electrolytes : Enthalpy : Derivation : Heat of solution

HEAT OF VAPORISATION : Hydrocarbons. See HYDROCARBONS : Heat of vaporisation

HEAT PROCESSED HERRINGS. See HERRINGS, Heat processed

HEAT PUMPS : Teaching : Thermodynamics. See THERMODYNAMICS : Teaching : Heat pumps

HEAT RESISTANT CONCRETE. See CONCRETE, Heat resistant

HEAT RESISTANT CONCRETE : Furnaces : Steel production. See STEEL : Production : Furnaces : Concrete. Heat resistant

HEAT RESISTANT SILICONE PAINT. See PAINT; Silicones,, Heat resistant

HEAT RESISTANT SILICONE PAINT : Metals. See METALS : Paint; Silicones,, Heat resistant

HEAT SEALED ALUMINIUM; Foil. See FOIL; Aluminium, Heat sealed

HEAT SHIELDS; Plastics : Nose cones : Intercontinental ballistic missiles. See MISSILES, Ballistic,, Intercontinental : Nose cones : Heat shields; Plastics

HEAT SHIELDS : Vacuum furnaces : Materials research : Nuclear reactors. See NUCLEAR REACTORS : Materials : Research : Furnaces, Vacuum : Heat shields

HEAT SWITCHES, Magnetoresistive : Calorimetry : Cryogenics. See CRYOGENICS : Calorimetry : Heat switches, Magnetoresistive

HEAT TREATED COPPER–GOLD. See COPPER–GOLD, Heat treated

HEAT TREATED FORGINGS : Aluminium. See ALUMINIUM : Forgings, Heat treated

HEAT TREATED STEEL. See STEEL, Heat treated

HEAT TREATED STEEL–MANGANESE–SILICON. See STEEL–MANGANESE–SILICON, Heat treated

HEATED BITUMINOUS COAL. See COAL, Bituminous,, Heated

HEATED CARBIDE CUTTERS : Machine tools. See MACHINE TOOLS : Cutters; Carbides,, Heated

HEATED CHROME TANNING. See TANNING, Chrome,, Heated

HEATERS : Motor cars

Selection and testing of automobile heating and ventilating systems. S.R.G. Taylor. Instn. of Mechanical Engrs. Proc., 182 pt.3E (1967-68) p.152-60. il. refs.

HEATING

Related Headings:
- BAKING
- ELECTRON BEAM HEATING
- FURNACES
- KILNS
- OVENS
- OVERHEATING
- PLASMA ARCS
- PREHEATERS
- REHEATING
- ROASTING
- STOVES
- STOVING

HEATING–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Equipment

By medium
- *Hot water*

By fuel
- *Liquefied petroleum gas fired*
- *Electric*
  - *Induction*
  - *R.F.*
  - *Microwave*

Infra red

HEATING, Air. See AIR HEATING

HEATING, Air : Foundries. See FOUNDRIES : Heating, Air

HEATING, Air : Workshops : Coating. See COATING : Workshops : Heating, Air

HEATING : Boats. See BOATS : Heating

HEATING : Building sites. See BUILDING : Sites : Heating

HEATING : Buildings. See BUILDINGS : Heating

HEATING : Buses. See BUSES : Heating

HEATING : Calorimetry. See CALORIMETRY : Heating

HEATING : Cathedrals. See CATHEDRALS : Heating

HEATING : Churches. See CHURCHES : Heating

HEATING, Circumferential : Convection : Rotating liquids. See LIQUIDS, Rotating : Convection : Heating, Circumferential

HEATING, Coal fired : Government buildings. See GOVERNMENT BUILDINGS : Heating, Coal fired

HEATING, Coal fired : Houses. See HOUSES : Heating, Coal fired

HEATING, Coal fired : Housing. See HOUSING : Heating, Coal fired

HEATING, Coal fired : Textile manufactures. See TEXTILES : Manufactures : Heating, Coal fired

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HESTON
See
MAISONETTES .. Hounslow .. Heston

HETEROAROMATIC COMPOUNDS
Related Headings :
AZO COMPOUNDS, Heteroaromatic
BENZOTRIAZOLE
CALCEIN
CARBINOXAMINE MALEATE
CHLOROTRIAZINES
N-CYCLOHEXYL-2-BENZOTHIAZOLESULPHENAMIDE
DIBENZOTHIOPHENE
DIHYDRODIAZEPINIUM SALTS
DI-2-PYRIDYL KETOXIME
FURANOEREMOPHILANES
FURFURAL
FURFURYL ALCOHOL

8-HYDROXYQUINOLINE
INDOLE-3-ALKYLAMINES
MELAMINE
2-MERCAPTOBENZOTHIAZOLE
NICOTINIC ACID
1-PHENYL-5-MERCAPTOTRIAZOLE
1-PHENYL-4-PHENYLAMINO-1,2,4-TRIAZOLIUM CHLORIDE
PURINES
PYRIDINE
PYRIDINIUM
4-(2-PYRIDYLAZO) RESORCINOL
SODIUM DICHLOROISOCYANURATE
SULPHENAMIDES
THIANTHRENE
THIAZINE
THIOPHENE DIOXIDES
TRIAZINES
TRIS(2,2'-BIPYRIDINE)

HETEROCYCLIC COMPOUNDS
Related Headings :
AMIDOAZIRIDINES
ASCORBIC ACID
BENZODIHYDROFURAN
CAPROLACTAM
N-CHLOROAMIDES, Heterocyclic
10-DEAZARIBOFLAVIN
7,8-DIMETHYL-10-FORMYLMETHYLISOALLOXAZINE
ENAMINES
EPIMINO ALKANES
EPIMINO ALKAN-1-OLS
cis-9,10-EPIMINO-OCTADECANE
EPOXIDES
EPOXY ESTERS
ERYTHROSINE
ETHYLENE OXIDE
FLAVENES
FLAVONOLS
FURAZOLIDONE
HETEROAROMATIC COMPOUNDS
HEXAMETHYLENETETRAMINE
4-HYDROXYBENZYLIDYL-1-BENZYL-2,3-DIOXO-PYRROLIDINES
LACTONES
OXAZOLIDINETHIONES
3-OXO-3-*H*-2-BENZOPYRANS
PHOSPHONATES, Heterocyclic
PHTHALIC ANHYDRIDE
alpha-PYRONES
STERIGMATOCYSTIN
SULPHOLANE
TETRAHYDROFURAN
1,3,5,7-TETRANITRO-1,3,5,7-TETRAZACYCLOOCTANE
TRIOXANE
HETEROGENEOUS CATALYSIS : Gases. See GASES : Catalysis, Heterogeneous

HETEROGENEOUS CATALYSTS. See CATALYSTS, Contact

HETEROIONIC JUNCTIONS : Aqueous solutions–Molten nitrate electrolytes : Silver; Electrodes. See ELECTRODES; Silver : Aqueous solutions–Molten nitrate electrolytes : Heteroionic junctions

HETEROJUNCTION DIODES. See DIODES, Heterojunction

HEUN–ROMBERG APPROXIMATION : Oscillations : Surge tanks : Pumped storage hydroelectric power stations. See HYDROELECTRIC POWER STATIONS, Pumped storage : Surge tanks : Oscillations : Heun–Romberg approximation

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HEXAGONAL CLOSE PACKED ZIRCONIUM. See ZIRCONIUM, Hexagoanl close packed

HEXAGONAL LOOPS : Dislocations : Protons : Irradiated copper foil. See FOIL; Copper,, Irradiated : Protons : Dislocations : Loops, Hexagonal

HEXAGONAL NETWORKS : Dislocations : Beta brass. See BRASS, Beta : Dislocations : Networks, Hexagonal

HEXAGONAL ZINC SELENIDE. See ZINC SELENIDE, Hexagonal

HEXAHEDRAL FINITE ELEMENTS : Analysis : Structures : Aircraft. See AIRCRAFT : Structures : Analysis : Finite elements, Hexahedral

HEXAMETHYLENETETRAMINE : Reaction with phenol–formaldehyde : Novolaks production. See NOVOLAKS : Production : Phenol–Formaldehyde : Reaction with hexamethylenetetramine

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HIGH DENSITY POLYTHENE; Mesh. See MESH; Polythene, High density

HIGH DENSITY POLYTHENE; Pipes. See PIPES; Polythene, High density

HIGH DENSITY SINTERING : Barium titanate; Powders. See POWDERS; Barium titanate : Sintering, High density

HIGH ENERGY RATE FORMING : Metals. See METALS : Forming, High energy rate

HIGH FIRED REFRACTORIES : Chrome–Magnesite. See CHROME–MAGNESITE : Refractories, High fired

HIGH FREQUENCY. See H.F.

HIGH FREQUENCY RESISTANCE WELDING. See WELDING, Resistance,, High frequency

HIGH FREQUENCY RESISTANCE WELDING : Copper alloys, Tubes. See TUBES; Copper alloys : Welding, Resistance,, High frequency

HIGH FREQUENCY RESISTANCE WELDING : Steel; Strips : Conduits. See CONDUITS, Electrical : Strips; Steel : Welding, Resistance,, High frequency

HIGH FREQUENCY RESISTANCE WELDING : Steel; Structures. See STRUCTURES; Steel : Welding, Resistance,, High frequency

HIGH MAST LIGHTING : Streets. See STREETS : Lighting, High mast

HIGH MOLECULAR WEIGHT POLYTHENE. See POLYTHENE, High molecular weight

HIGH PASS FILTERS : Interference : Receivers : Television. See TELEVISION : Receivers : Interference : Filters, High pass

HIGH PRESSURE
Related Headings :
ANVILS, Tetrahedral

HIGH PRESSURE : Bulk modulus : Solids. See SOLIDS Bulk modulus : High pressure

HIGH PRESSURE : Clay bonded green sand; Moulds. See MOULDS; Sand, Green,, Clay bonded : High pressure

HIGH PRESSURE : Compression : Alkali halides. See ALKALI HALIDES : Compression : High pressure

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HIGH PRESSURE : Optical properties : Liquids. See LIQUIDS : Optical properties : High pressure

HIGH PRESSURE : Reactions : Organic chemicals. See ORGANIC CHEMICALS : Reactions : High pressure

HIGH PRESSURE : Resistivity : Mercury. See MERCURY : Resistivity : High pressure

HIGH PRESSURE : Solids. See SOLIDS : High pressure

HIGH PRESSURE : Storage : Town gas. See GAS, Town : Storage : High pressure

HIGH PRESSURE : Thermal dissociation : Calcium hydroxide. See CALCIUM HYDROXIDE : Thermal dissociation : High pressure

HIGH PRESSURE : Thermal expansion : Solids. See SOLIDS : Thermal expansion : High pressure

HIGH PRESSURE CRYOSTATS. See CRYOSTATS, High pressure

HIGH PRESSURE INJECTION : Abrasive slurries : Wheels : Buffing : Metals. See METALS : Buffing : Wheels : Slurries, Abrasive : Injection, High pressure

HIGH PRESSURE SODIUM VAPOUR LAMPS : Lighting : Streets. See STREETS : Lighting : Lamps : Sodium vapour, High pressure

HIGH PRESSURE TOWN GAS. See GAS, Town,, High pressure

HIGH SPEED CINEMATOGRAPHY : Air jet studies : Textured yarn manufactures. See YARNS, Textured : Manufactures : Air jets : Studies : Cinematography, High speed

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HIGH SPEED PHOTOGRAPHY : Laser irradiation studies : Coal. See COAL : Irradiation : Lasers : Studies : Photography, High speed

HIGH SPEED PHOTOGRAPHY : Laser irradiation studies : Graphite. See GRAPHITE : Irradiation : Lasers : Studies : Photography, High speed

HIGH SPEED PHOTOGRAPHY : Spark discharge : Gaps : Vacuum. See VACUUM : Gaps : Spark discharge : Photography, High speed

HIGH SPEED 16mm CINEMATOGRAPHY. See CINEMATOGRAPHY, 16mm,, High speed

HIGH SPEED STEEL; Cold heading machines. See COLD HEADING : Machines; Steel, High speed

HIGH SPEED STEEL : Cutters : Machine tools. See MACHINE TOOLS : Cutters : Steel, High speed

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HIGH TEMPERATURE : Electrical conductivity : Water. See WATER : Electrical conductivity : High temperature

HIGH TEMPERATURE : Equations of state : Mercury. See MERCURY : Equations of state : High temperature

HIGH TEMPERATURE : Fatigue : Magnesium–Zirconium. MAGNESIUM–ZIRCONIUM : Fatigue : High temperature

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HIGH TEMPERATURE : Oxidation : Chromium. See CHROMIUM : Oxidation : High temperature

HIGH TEMPERATURE : Oxidation : Chromium sulphide. See CHROMIUM SULPHIDE : Oxidation : High temperature

HIGH TEMPERATURE : Oxidation : Chromium sulphide; Coatings : Chromium. See CHROMIUM : Coatings; Chromium sulphide : Oxidation : High temperature

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HIGH TEMPERATURE : Oxidation : Iron–Aluminium–Chromium–Yttrium. See IRON–ALUMINIUM–CHROMIUM–YTTRIUM : Oxidation : High temperature

HIGH TEMPERATURE : Oxidation : Iron–Chromium. See IRON–CHROMIUM : Oxidation : High temperature

HIGH TEMPERATURE : Oxidation : Metals. See METALS : OXIDATION : High temperature

HIGH TEMPERATURE : Oxidation : Stainless steel. See STEEL, Stainless : Oxidation : High temperature

HIGH TEMPERATURE : Plastic tension : Aluminium–Magnesium. See ALUMINIUM–MAGNESIUM : Tension, Plastic : High temperature

HIGH TEMPERATURE : Resistivity : Mercury. See MERCURY : Resistivity : High temperature

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HIGH TEMPERATURE : Spectrophotometers : Molten salts. See SALTS, Molten : Spectrophotometers : High temperature

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HIGH TEMPERATURE : Stress corrosion : Cracks : Titanium alloys. See TITANIUM : Alloys : Cracks : Stress corrosion : High temperature

HIGH TEMPERATURE : Stress rupture : Copper alloys. See COPPER : Alloys : Stress rupture : High temperature

HIGH TEMPERATURE : Sulphidation : Armco iron. See IRON, Armco : Sulphidation : High temperature

HIGH TEMPERATURE : Tensile strength : Copper alloys. See COPPER : Alloys : Tensile strength : High temperature

HIGH TEMPERATURE : Tensile tests. See TENSILE TESTS : High temperature

HIGH TEMPERATURE : Tertiary creep : Nimonic 80A. See NIMONIC 80A : Creep, Tertiary : High temperature

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HIGH TEMPERATURE : Thermal conductivity : Sintered uranium dioxide; Fuels : Nuclear reactors. See NUCLEAR REACTORS : Fuels; Uranium dioxide, Sintered : Thermal conductivity : High temperature

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HIGH TEMPERATURE : Ultrasonic attenuation : Nickel. See NICKEL : Ultrasonic attenuation : High temperature

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HIGH TEMPERATURE DYEING : Fabrics. See FABRICS : Dyeing, High temperature

HIGH TEMPERATURE DYEING : Fabrics : Knitwear. See KNITWEAR : Fabrics : Dyeing, High temperature

HIGH TEMPERATURE DYEING : Knitted polyester fibres fabrics. See FABRICS; Polyester fibres,, Knitted : Dyeing, High temperature

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HIGH TEMPERATURE STEEL; Dies. See DIES; Steel, High temperature

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HIGH TEMPERATURE WROUGHT NICKEL ALLOYS : Gas turbines : Aircraft. See AIRCRAFT : Gas turbines : Nickel alloys, Wrought,, High temperature

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HIGH TENSILE STEEL; Plates. See PLATES; Steel, High tensile

HIGH TENSILE STEEL; Undercarriages : Aircraft. See AIRCRAFT : Undercarriages; Steel, High tensile

HIGH TIP TRAILERS : Farm tractors. See TRACTORS, Farm : Trailers, High tip

HIGH VOLTAGE D.C. POWER TRANSMISSION. See POWER TRANSMISSION, D.C.,, High voltage

HIGH VOLTAGE ELECTRON MICROSCOPY. See MICROSCOPY, Electron,, High voltage

HIGH VOLTAGE ELECTRON MICROSCOPY : Aluminium; Foil. See FOIL; Aluminium : Electron microscopy, High voltage

HIGH VOLTAGE ELECTRON MICROSCOPY : Copper; Foil. See FOIL; Copper : Electron microscopy, High voltage

HIGH VOLTAGE TRANSMISSION ELECTRON MICROSCOPY : Austenitic stainless steel; Foil. See FOIL; Steel, Stainless,, Austenitic : Electron microscopy,, Transmission,, High voltage

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HIGH WYCOMBE
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    HOSPITALS.. High Wycombe

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    FOOD : Processing.. Scotland.. Highlands

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    BUSES : Transport.. Hillingdon

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HILLMAN IMP CARS. See MOTOR CARS, Types, Hillman Imp

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HOT ROLLED FREE MACHINING STEEL. See STEEL, Free machining,, Rolled, Hot

HOT ROLLED METAL PLATES. See PLATES; Metals,, Rolled, Hot

HOT ROLLED STEEL. See STEEL, Rolled, Hot

HOT ROLLING : Aluminium alloys; Strips. See STRIPS; Aluminium alloys : Rolling, Hot

HOT ROLLING : Metals; Strips. See STRIPS; Metals : Rolling, Hot

HOT ROLLING : Mild steel; Ingots. See INGOTS; Steel, Mild : Rolling, Hot

HOT ROLLING : Rectangular section steel products. See STEEL : Products, Rectangular section : Rolling, Hot

HOT ROLLING : Steel. See STEEL : Rolling, Hot

HOT ROLLING : Steel; Bars. See BARS; Steel : Rolling, HOT ROLLING : Steel; Strips. See STRIPS; Steel : Rolling, Hot

HOT SAWING : Steel; Sections. See SECTIONS; Steel : Sawing, Hot

HOT SHORTNESS : Cracks : Welded aluminium alloys. See ALUMINIUM : Alloys, Welded : Cracks : Hot shortness

HOT STAGE MICROSCOPY : Spalling studies : Scale : High temperature oxidation : Iron–Chromium. See IRON–CHROMIUM : Oxidation : High temperature : Scale : Spalling : Studies : Microscopy, Hot stage

HOT STEEL ; Billets. See BILLETS; Steel, Hot

HOT TEARING : Tungsten arc welding : Steel; Sheets. See SHEETS; Steel : Welding, Arc,, Tungsten : Tearing, Hot

HOT TRANSVERSE ROLLING. See ROLLING, Transverse,, Hot

HOT WATER. See WATER, Hot

HOT WATER : Buildings. See BUILDINGS : Water, Hot

HOT WATER : Heating. See HEATING : Hot water

HOT WATER : Heating : Buildings. See BUILDINGS : Heating : Hot water

HOT WATER : Heating : Buildings : Botanical gardens. See BOTANICAL GARDENS : Buildings : Heating : Hot water

HOT WATER : Heating : Flats. See FLATS : Heating : Hot water

HOT WATER : Heating : Housing. See HOUSING : Heating : Hot water

HOT WATER: Production: Boilers: Gas fired heating: Housing. See HOUSING: Heating, Gas fired: Boilers: Hot water production

HOT WIRE ANEMOMETERS. See ANEMOMETERS, Hot wire

HOT WIRE ANEMOMETERS : Turbulent flow measurement : Fluids. See FLUIDS : Flow, Turbulent : Measurement : Anemometers, Hot wire

HOT WIRE ANEMOMETERS : Two dimensional airflow measurement : Fans. See FANS : Airflow, Two dimensional : Measurement : Anemometers, Hot wire

HOT WIRE ANEMOMETERS : Wall pressure measurements : Turbulent airflow. See AIRFLOW, Turbulent : Wall pressure : Measurements : Anemometers, Hot wire

HOT WIRE COLUMNS : Thermal diffusion : Thermal conductivity measurement : Helium. See HELIUM : Thermal conductivity : Measurement : Thermal diffusion : Columns, Hot wire

HOT WORKED STEEL. See STEEL, Hot worked

HOT WORKING

Related Headings:

AUSFORMING

HOT WORKING : Tools : Steel

Hot work tool steels. W.P. Walker. Tooling, 22 (Feb 68) p.23-36. il.

How to get the most from hot-work tools. Tooling, 22 (Sep 68) p.33-4

HOTELS

Centre airport hotel, Heathrow. Industrial Architecture, 11 (Aug 68) p.367. il.

Falcon Hotel, Stratford-upon-Avon. Architect & Surveyor, 13 (May/Jun 68) p.3+. il.

Preview: conference centre and hotel at Riyadh, Saudi Arabia. Architectural Rev., 143 (Feb 68) p.136-9. il.

Royal Lancaster Hotel. Building, 214 (29 Mar 68) p.87-92. il.

Royal Lancaster hotel: entrance and reception area. Architectural Rev., 143 (Feb 68) p.122-3. il.

HOTELS

Related Headings:

MOTELS

HOTELS : Air conditioning

Air conditioning of hotels (abstracts) S.J. Shelton. Heating & Ventilating Engr., 41 (Nov 67) p.233-42. il. refs.

HOTELS (Airports) Engineering services

Engineering services for Centre Airport Hotel [Heathrow] Steam & Heating Engr., 37 (Jul 68) p.30+. il.

HOTELS : Architecture

Hotel is really a small city. P. Cook. Architectural Design, 38 (Feb 68) p.90-3. il.

Hotel, Lerwick, Shetland. Architectural Rev., 143 (Jan 68) p.32. il.

HOTELS : Balconies

Balcony: hotel in Hayarkon Street, Tel-Aviv, Israel. Architects' J., 148 (30 Oct 68) p.997-8. il.

HOTELS : Bathrooms; Wood,, Prefabricated

Special bathroom units at Midlands hotel. Architect & Building News, 234 (10 Jul 68) p.60-2. il.

HOTELS : Bedrooms : Measurements : Metric system

Hotels. Architects' J., 147 (20 Mar 68) suppt. p.103-5. il. refs.

HOTELS : Bedrooms, Prefabricated

Prefabricated hotel bedroom unit. Architectural Design, 38 (Mar 68) p.124. il.

HOTELS : Concrete, Precast : Aggregates; Coral : Mixing

Hilton Hotel, Barbados. Concrete, 2 (Jul 68) p.287-9. il.

HOTELS : Corridors, Elevated

Elevated corridor for the Lygon Arms, Broadway. Wood, 33 (Oct 68) p.19-21. il.

HOTELS : Corridors : Lighting

Corridor lighting: King Saul Boulevard, Tel Aviv, Israel [Hilton Hotel] Architects' J., 148 (2 Oct 68) p.723-4. il.

HOTELS : Engineering services

Heating, ventilating and air conditioning services for the Royal Lancaster Hotel. Steam & Heating Engr., 37 (Feb 68) p.36-42. il.

HOTELS : Lighting

Royal Lancaster Hotel. Light & Lighting, 61 (Jan 68) p.17+. il.

HOTELS : Modernisation

S & N. renovate "Chequers" at a cost of £160,000 [Chequers Hotel, Horley, Surrey] Brewing Trade Rev., 82 (Oct 68) p.780-1. il.

HOTELS : Walls, Retaining; Concrete, Reinforced

Diaphragm wall for new Berkeley Hotel. Architect & Building News, 233 (19 Jun 68) p.947-8. il.

HOUNSLOW

See

MAISONETTES.. Hounslow

HOUSE JOURNALS : Lithography, Offset

Publishing house journals—the swing to offset. R. Bell. Litho Printer, 11 (Mar 68) p.26-30. il.

HOUSEHOLD APPLIANCES

Related Headings:

BATHS

COOKERS

DRYERS, Domestic

KITCHENWARE

WASHING MACHINES

HOUSEHOLD APPLIANCES : Components : Casting

Italian foundry installs Hansberg automatic-moulding system [Fonderia Ghisa di Mirandola: type F 120] Foundry Trade J., 124 (7 Mar 68) p.393-5. il.

HOUSEHOLD APPLIANCES : Components : Diamond machining

Hoover diamond jubilee. J.S. Hush. Industrial Diamond Rev., 28 (Oct 68) p.434-7. il.

HOUSEHOLD APPLIANCES, Electrical

Automation in the home. M.W. Thring. Electronics & Power, 14 (Nov 68) p.440-1

HOUSEHOLD APPLIANCES, Electrical : Components : Electroplating : Control systems

Random selection programmed Glydo for Sunbeam. Product Finishing, 21 (Jun 68) p.56+. il.

HOUSEHOLD APPLIANCES, Electrical : Fuel cells
Total-energy units for domestic power. Industrialised Building, 5 (Jan 68) p.19+. il.

HOUSEHOLD APPLIANCES, Electrical : Industrial design
Outdated sales methods hamper appliance innovations. J.B. Prizeman. Electrical Rev., 182 (9 Feb 68) p.212-13. il.

HOUSEHOLD APPLIANCES, Electrical : Manufactures
Machining and assembly methods at the Hoover factory, Cambuslang. J.J. Marklew. Machinery, 112 (6 Mar 68) p.444-50. il.
One million appliances a month [Moulinex of France] Electrical Rev., 182 (24 May 68) p.763-4. il.
Will Kenwood's highly individual search for kitchen automation survive a mix with Thorn? Electrical & Electronics Manufacturer, 12 (Sep 68) p.12-14. il.

HOUSEHOLD APPLIANCES, Electrical : Manufactures : Conveyors, Spiral
Spiral drives assembly from beneath [SCM Shetland, Massachusetts, U.S.A.] Mechanical Handling, 55 (Mar 68) p.349-50. il.

HOUSEHOLD APPLIANCES, Electrical : Storage : Warehouses
GEC collects the pay-off from vertical space planning. Storage Handling Distribution, 12 (Oct 68) p.32-3. il.

HOUSEHOLD APPLIANCES, Electrical : Storage : Warehouses : Computers
Keeping the customer happy [Electrolux Limited: I.C.T. 1903] Data Processing, 10 (Mar/Apr 68) p.58-65. il.

HOUSEHOLD APPLIANCES, Electrical : Switching Circuits, Semiconductor
Solid-state switching. M.H. Jacobs. Electrical Times, 153 (15 Feb 68) p.253-7. refs.

HOUSEHOLD APPLIANCES; Plastics
Impact of plastics on domestic appliances. British Plastics, 41 (Jun 68) p.80+. il.

HOUSEHOLD APPLIANCES; Steel : Paint, Acrylic,, Thermosetting,, Epoxy resin modified
Epok 1172. Paint Technology, 32 (May 68) p.23-4

HOUSEHOLD TEXTILES
Related Headings :
BED SHEETS

HOUSES
Architectural use of concrete blocks: group housing, Townside, Haddenham, Bucks. Concrete Q. (Jul/Sep 68) p.22-5. il.
Architectural use of concrete blocks: staff houses, Lancaster Industrial Centre for the Spastics Society. Concrete Q. (Jul/Sep 68) p.21. il.
Australian houses. Pt.1: house near Melbourne. Architectural Rev., 143 (Jun 68) p.416-19. il.
Australian houses. Pt.2: house at Toorak, Victoria. Architectural Rev., 143 (Jun 68) p.420-1. il.
Australian houses. Pt.3: house at Killara, NSW. Architectural Rev., 143 (Jun 68) p.422-6. il.
Cheshire suburban. Architectural Rev., 144 (Aug 68) p.105. il.
Enclosed by woodland [Chislehurst, Kent] Architectural Rev., 144 (Aug 68) p.109. il.
Exposed site at Fort William. Architect & Building News, 233 (17 Jan 68) p.94-7. il.
Hertfordshire suburban. Architectural Rev., 144 (Aug 68) p.97-9. il.
High Kingsdown, Bristol. Architectural Rev., 143 (Jan 68) p.75. il.
House and kennels at Pirbright, Surrey. Architectural Rev., 142 (Dec 67) p.461-3. il.
House and pool, Llandaff. Building, 214 (5 Apr 68) p.83-6. il.
House at Fishers Pond, near Winchester. Architectural Rev., 142 (Dec 67) p.458-60. il.
House, Dusseldorf-Himmelgeist. Building, 215 (2 Aug 68) p.59-62. il.

HOUSES—*cont.*
House, Hemel Hempstead. Building, 214 (31 May 68) p.63-5. il.
Houses for architects. Building, 215 (22 Nov 68) p.83-5. il.
Housing at Coventry. Official Architecture & Planning, 30 (Dec 67) p.1746-65. il.
Housing the poor in the richest society [U.S.A.] Industrialised Building, 5 (Jun 68) p.21-4. il.
In a Kensington terrace. Architectural Rev., 144 (Aug 68) p.113-14. il.
In a London mews. Architectural Rev., 144 (Aug 68) p.115-16. il.
Iraqi courtyard houses. Architectural Rev., 144 (Aug 68) p.86-8. il.
Life in N19 [Winscombe St., London] C. Woodward. Architectural Design, 38 (Jul 68) p.330-4. il.
NHBRC registration scheme. Architect & Building News, 233 (24 Jan 68) p.149
On the slope of Blackheath. Architectural Rev., 144 (Aug 68) p.110-11. il.
Rationalised traditional housing: Rutherglen road, Sunderland. Building, 213 (15 Dec 67) p.79-82. il.
Rede Place, London W2. Architectural Design, 38 (Jan 68) p.23. il.
Roman sculpture: Casa Andreis, Scandriglia, Italy. Concrete Q. (Apr/Jun 68) p.27-30. il.
Rydebacks Gard, single family housing, Halsingborg, Sweden. Building, 213 (1 Dec 67) p.97-8. il.
Seaside house in Cornwall. Architectural Rev., 144 (Aug 68) p.95-6. il.
Seaside housing, Dartmouth Estuary. Architectural Design, 38 (Jan 68) p.24. il.
Seven just square. Architectural Rev., 144 (Aug 68) p.142-4. il.
Spacious private house in the Chilterns. Architect & Building News, 233 (3 Apr 68) p.522-7. il.
Stokesley housing competition. Building, 214 (14 Jun 68) p.151. il.
Stokesley housing competition results. Architect & Building News, 233 (19 Jun 68) p.927-8. il.
23 Strand-on-the-Green London W4. Concrete Q. (Oct/Dec 67) p.11-14. il.
Surrey suburban. Architectural Rev., 144 (Aug 68) p.108. il.
Tower in a wood [in Chiltern Hills] Architectural Rev., 144 (Aug 68) p.100-1. il.
Town house in Chelsea. Architectural Rev., 144 (Aug 68) p.112. il.
12 houses. Architectural Rev., 144 (Aug 68) p.93-4. il.
Village group [Haddenham, Bucks.] Architectural Rev., 144 (Aug 68) p.102-4. il.
Week-end house, Kinsale, Co. Cork. Architectural Design, 38 (Mar 68) p.125. il.

HOUSES
Related Headings:
CHILDREN'S HOMES

HOUSES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Problems
  - *Condensation*

- Technical activities
  - *Measurements*
  - *Construction*
  - *Conversion*
  - *Modernisation*
  - *Decoration*
  - *Interior decoration*

HOUSES–SUBHEADINGS–*Synopsis–cont.*
- Technical activities–*cont.*
  - Painting
    - *Paint*

- Parts and services
  - *Blocks*
  - *Frames*
  - *Walls*
  - *Roofs*
  - *Extensions*
  - Rooms
    - *Kitchens*
    - *Bathrooms*
    - *Lavatories*
  - *Heating*
  - Sanitation

- Ancillaries
  - *Gardens*

- Kinds of houses
  - *University buildings*
  - By method of construction
    - *Demountable*
    - *Half timbered*
    - *Prefabricated*
    - *Mobile*
  - By material
    - *Wood*

HOUSES : Bathrooms
Bathrooms: where are we hygienewise? E.A. Batchelor. Master Builders' J., 13 (Jul 68) p.37

HOUSES : Blocks; Concrete
Architectural use of concrete blocks: house at Feock, Cornwall. Concrete Q. (Jul/Sep 68) p.30-1. il.
Architectural use of concrete blocks: house at Groton, Massachusetts, U.S.A. Concrete Q. (Jul/Sep 68) p.26-7. il.
Architectural use of concrete blocks: Shrublands, Crawley, Sussex. Concrete Q. (Jul/Sep 68) p.17-20. il.

HOUSES : Condensation
Condensation in houses. J.A. Covette. Building, 214 (26 Apr 68) p.141

HOUSES : Construction : Line of balance charts
Line of balance charts. W.W. Chan. Contract J., 223 (16 May 68) p.290+. il.

HOUSES : Construction : Profession : Registration
Practice: National House-Builders Registration Council. R. Inst. of Brit. Architects J., 75 (Mar 68) p.135

HOUSES : Construction : Regulations .. Great Britain
Building regulations and quality control in housebuilding. G.S. Short. J. of Instn. of Municipal Engrs., 95 (Feb 68) p.66-8

HOUSES : Construction .. U.S.A.
House-building productivity in USA. R. Shippam. Building, 213 (15 Dec 67) p.127+

HOUSES : Conversion
Swains Wood, Henley: weekend house in the Chilterns. Building, 214 (16 Feb 68) p.153-56. il.

HOUSES : Decoration : Colour
Colour in exterior decoration. L. Morton. Painting & Decorating, 87 (Dec 67) p.16-17. il.

HOUSES, Demountable
Pac-a-vac. Architectural Rev., 144 (Jul 68) p.67-8. il.

HOUSES : Extensions
House extension, Putney. Building, 215 (26 Jul 68) p.87-9. il.

HOUSES : Frames; Wood
Timber frame takes root on the Continent. A.E. Oman. Industrialised Building, 5 (Feb 68) p.12+. il.

HOUSES : Gardens
Town garden. Concrete Q. (Jul/Sep 68) p.32-5. il.

HOUSES : Gardens : Use : Surveys
Gardens on housing estates: survey of user attitudes and behaviour on seven layouts. J.A. Cook. Town Planning Rev., 39 (Oct 68) p.217-34. il. refs.

HOUSES, Half timbered
Fifteenth-century prefab. Architectural Rev., 144 (Aug 68) p.139-40. il.

HOUSES : Heating : Boilers, Coal fired : Heat : Flowmeters, Radial disc
Radial disk meter for measurement of heat flux in domestic coal-fired boilers. W.H. Newton & P.W. Jenkins. J. of Scientific Instruments, 1 (Jun 68) p.664-6. il refs.

HOUSES : Heating, Coal fired : Equipment
Solid fuel appliances: problems of correct installation. W.C. Moss. Master Builders' J., 13 (Mar 68) p.54-5. il.

HOUSES : Heating, Electric ,, Off peak
Off-peak heating in a highly insulated house. S.W. Menzies. J. of Fuel & Heat Technology, 15 (Jan 68) p.12+. il.

HOUSES : Heating : Fuels : Storage facilities : Measurements : Metric system
Housing. Architects' J., 147 (20 Mar 68) suppt. p.106-16. il. refs.

HOUSES : Heating, Small bore : Performance
Performance of small-pipe central heating. S.A. Burke, A.H. Howland & D.C. Walker. Instn. of Heating & Ventilating Engrs. J., 36 (Jun 68) p.67-79. il. refs.

HOUSES : Interior decoration
Burges and Morris at Bingley: a discovery. Architectural Rev., 144 (Jul 68) p.35-8. il.

HOUSES : Kitchens : Cupboards, Built in ,, Revolving
Revolving cupboard unit: house at 23 Blackheath Park, London SE3. Architects' J., 147 (24 Apr 68) p.879-80. il.

HOUSES : Kitchens : Serveries
Delivery hatch: house at 23 Blackheath Park, London SE3. Architects' J., 147 (1 May 68) p.939-40. il.

HOUSES : Lavatories
Bathrooms: where are we hygienewise? E.A. Batchelor. Master Builders' J., 13 (Jul 68) p.37

HOUSES : Measurements : Metric system
Britain's first traditional house to metric dimensions. A. Perrin. Building Technology & Management, 5 (Dec 67) p.17-20. il.
Housing. Architects' J., 147 (20 Mar 68) suppt. p.106-16. il. refs.
Metric house shells. Building, 214 (26 Apr 68) p.150-2. il.
Metric house shells [N.B.A.] Industrialised Building, 5 (May 68) p.63. il.

HOUSES, Mobile
Pac-a-vac. Architectural Rev., 144 (Jul 68) p.67-8. il.

HOUSES : Modernisation : Town planning
Environmental recovery: the Skelmersdale project. Surveyor, 132 (30 Aug 68) p.22-6. il.
Making old houses and streets into pleasant living areas. Surveyor, 132 (30 Aug 68) p.35-7. il.

HOUSES : Modernisation : Town planning .. Exeter
Exeter's pilot scheme. R.C.L. Baker. Municipal J., 76 (15 Nov 68) p.2852-3. il.

HOUSES : Paint
One-coat house paints. 'Americus'. Paint Technology, 32 (Sep 68) p. 18-20

HOUSES, Prefabricated
Cranfield House site Harefield, Middlesex: Architectural Design award project. Architectural Design, 38 (Jan 68) p.10. il.
Danish house in London exhibition [manufactured by Tjaereborg-Huse, Jutland, Denmark] Architect & Surveyor, 13 (May/Jun 68) p.11. il.
Group resources keep down system costs [Lovell Construction Group] Contract J., 222 (28 Mar 68) p.467. il.

HOUSES, Prefabricated—*cont.*
Plastics wall panel speeds low-cost housing [S. & S. Shute Ltd., Leeds] Industrialised Building, 5 (Jan 68) p.52-4. il.
Pole Hill, Uxbridge, Middlesex. Architectural Design, 38 (Jan 68) p.18. il.

HOUSES, Prefabricated : Bullock system
Bullock system. R.M.E. Diamant. Architect & Building News, 233 (29 May 68) p.825-6. il.
Dry construction housing system [D.T. Bullock & Co. Ltd., Northgate, Aldridge, Staffs.] Industrialised Building, 5 (Jan 68) p.58+. il.

HOUSES, Prefabricated : Components ; Steel
Steel housing system, Ulting, Essex. Architectural Rev., 143 (Jan 68) p.82. il.

HOUSES, Prefabricated : Drury system 3
Drury system 3. R.M.E. Diamant. Architect & Building News, 2 233 (22 May 68) p.786-7. il.

HOUSES, Prefabricated : Frameform system
Getting used to a system. H. Stubbs. National Builder, 48 (Dec 67) p.766-7. il.

HOUSES, Prefabricated : Insulation, Sound
Sound insulation and modern construction. E.F. Stacy. Architect & Surveyor, 13 (Jan/Feb 68) p.15-18

HOUSES, Prefabricated : Lovell system
New Lovell timber-frame project. Industrialised Building, 5 (Apr 68) p.14-15. il.

HOUSES, Prefabricated : Mark IV system
House that comes as two-part pack. H. Stubbs. Industrialised Building, 5 (Mar 68) p.46-8. il.

HOUSES, Prefabricated : Minox system
Rapid and economic Ratrad. Industrialised Building, 5 (Feb 68) p.33-4. il.

HOUSES, Prefabricated : Modular co-ordination
Modules for house plan. M.H. Thomas. Architectural Design, 38 (Apr 68) p.187-8. il.

HOUSES, Prefabricated : Resiform Mk 2 system
Resiform Mk 2 system. R.M.E. Diamant. Architect & Building News, 234 (17 Jul 68) p.104-5. il.

HOUSES, Prefabricated : Subsidence : Jacking
House jacking system. Building, 214 (15 Mar 68) p.145-6. il.
New jacking system. Architect & Building News, 232 (20/27 Dec 67) p.1010. il.
Self-jacking timber house: Tarmac system copes with ground subsidence. Industrialised Building, 4 (Dec 67) p.32-3. il.

HOUSES, Prefabricated : Tybuilt system
Tybuilt system. R.M.E. Diamant. Architect & Building News, 233 (8 May 68) p.700-2. il.

HOUSES, Prefabricated : Unit system 66
Unit system 66. R.M.E. Diamant. Architect & Building News, 233 (3 Jan 68) p.27-8. il.

HOUSES, Prefabricated : Vaneg system
Vaneg system. R.M.E. Diamant. Architect & Building News, 233 (21 Feb 68) p.306-7. il.

HOUSES, Prefabricated : Variform system
Variform system. Archirect & Building News, 232 (13 Dec 67) p.967-8. il.

HOUSES, Prefabricated : Wates low rise system
Wates low rise system. R.M.E. Diamant. Architect & Building News, 233 (26 Jun 68) p.988-9. il.

HOUSES, Prefabricated ,, Wood framed
Rostrum. B.G. Brown. Industrialised Building, 5 (Jul 68) p.33+. il.

HOUSES : Roofs : Rafters ; Wood ,, Trussed
Design and construction of trussed rafters. G.D. Grainger. Wood, 33 (May 68) p.27+. il. refs.

HOUSES : Sanitation : Pipes
Quantity surveying example. Pt.27: sanitary plumbing—cold water installation, pt.1. D.M. Jeffreys. Architect & Building News, 232 (13 Dec 67) p.969-71. il.

HOUSES : University buildings
Staff residences, University of Stirling. Architectural Design, 38 (Jan 68) p.22. il.

HOUSES : Walls : Cavities : Filled : Urea–Formaldehyde, Expanded
Urea–formaldehyde cavity wall insulation ['Ufoam': ICI] E.W. Vincent. Insulation, 12 (Jan/Feb 68) p.30-2. il.

HOUSES ; Wood
House at Walton-on-Thames: elevated timber structure clad with diagonal boarding. Wood, 33 (Jul 68) p.22-3. il.
Two award-winning designs in Sweden [Chapel at Lidingo, Stockholm & house at Skutskar] C. Nyren. Wood, 33 (Jun 68) p.20-3. il.

HOUSES : Wood : Pests : Furniture beetles
Inspection and treatment of houses for damage by woodboring insects. M.G. White. J. of Instn. of Municipal Engrs., 95 (Jul 68) p.212-15. il.

HOUSES : Wood : Pests : Longhorn beetles
Inspection and treatment of houses for damage by woodboring insects. M.G. White. J. of Instn. of Municipal Engrs., 95 (Jul 68) p.212-15. il.

HOUSES ; Wood ,, Prefabricated
Lovell timber housing. Building, 214 (29 Mar 68) p.137. il.
Timber house requires only 55 working hours on site. Contract J., 221 (22 Feb 68) p.933. il.

HOUSES ; Wood ,, Prefabricated : Mactrad system
Mactrad system. R.M.E. Diamant. Architect & Building News, 233 (6 Mar 68) p.376-7. il.

HOUSES ; Wood ,, Prefabricated : WP system
Swedish housing competition [Lexby housing estate, Partille, near Gothenburg] Building, 214 (21 Jun 68) p.120. il.

HOUSING
Failure of housing. N. Taylor. Architectural Rev., 142 (Nov 67) p.341-59. il.
Good design in housing awards. Architects' J., 146 (15 Nov 67) p.1247-58. il.
Housing in a consumer society. W. Cowburn. Architectural Rev., 143 (Jan 68) p.398+
Housing needs, costs and policies. Architects' J., 148 (23 Oct 68) p.929-31
Housing: the private sector. Architects' J., 148 (15 May 68) p.1105-107
Housing: housing in the public sector. D. Appleby. Architects' J., 147 (22 May 68) p.1173+. il.
Housing: housing societies. Architects' J., 147 (8 May 68) p.1039-44
Housing: voluntary housing and the housing corporation. M. Perring. Architects' J., 147 (8 May 68) p.1045-52
Housing: working for housing societies. S. Humphrey. Architects' J., 147 (8 May 68) p.1053+. il. ref.
Plus ça change. Architects' J., 148 (11 Sep 68) p.485-7. il.
Private and new towns. Architectural Rev., 142 (Nov 67) p.363-70. il.
Recreating responsive environments. R. Goetze. Architectural Design, 38 (Aug 68) p.365-6. il.
Taking the speculation out of house-building. Master Builders' J., 13 (May 68) p.61
Technology of housing. K. Claxton. Official Architecture & Planning, 31 (Jan 68) p.129+. il.
World builders. J. Weston. Building Technology & Management, 6 (Mar 68) p.59-61

HOUSING
Related Headings:
- ALMSHOUSES
- BUNGALOWS
- COTTAGES
- FLATS
- HOUSES

HOUSING–SUBHEADINGS–*Synopsis*

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- History
- Particular localities
  - *Great Britain*
    - England
      - London
        - *Lambeth*
        - *Southwark*
        - *Thamesmead*
        - *Tower Hamlets*
        - *Westminster*
        - *Hammersmith*
        - *Islington*
        - *Merton*
        - *Sutton (Surrey)*
      - *Radlett*
      - *Crawley*
      - *Andover*
      - *Basildon*
      - *Newmarket*
      - *Corby*
      - *Coventry*
      - *Manchester*
      - *Runcorn*
      - *Newton Aycliffe*
      - *Washington (Durham County)*
      - *Newcastle-upon-Tyne*
    - Scotland
      - *Dunbar*
      - *Glasgow*
      - *Livingston*
    - Wales
      - *Port Talbot*
  - Sweden
    - *Salemstaden*
    - *Tibro*
  - *Russia*
  - *Pitcairn Island*

- Costs
- Problems
  - *Fires*
  - *Heat loss*
  - *Condensation*
  - *Town planning*
    - *Density*

- Technical activities
  - *Architecture*
  - *Design*
    - *Programming*
    - *Competitions*
  - *Measurements*
  - *Construction*
    - *Programming*
  - *Modernisation*
  - *Maintenance*
  - *Repair*

- Parts & Services
  - *Components*
  - *Blocks*
  - *Frames*
  - *Foundations*
  - *Fittings*
  - *Cladding*
  - *Waterproofing*
  - *Insulation*
  - *Bathrooms*

HOUSING–SUBHEADINGS–*Synopsis*–cont.

  - *Kitchens*
  - *Heating*
  - *Electrical installations*
  - *Power distribution*
  - *Lighting*
  - *Water*
  - *Plumbing*
  - *Drainage*

- Ancillaries
  - *Car parking*
    - *Roads*
  - *Gardens*
  - *Furniture*

- Types of housing
  - By method of construction
    - *Prefabricated*
    - *Demountable*
    - *Mobile*
  - By material
    - *Concrete*
    - *Wood*
    - *Epoxy resins*
  - By particular group of occupants
    - *Spastics*
    - *Old people*
    - *Disabled persons*
    - *Refugees*
    - *Squatters*

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ION EXCHANGE : Purification : Industrial water. See WATER, Industrial : Purification : Ion exchange

ION EXCHANGE : Purification : Sugar. See SUGAR : Purification : Ion exchange

ION EXCHANGE : Resins

Macro- and micro-structure of ion-exchange membranes and its implications. M. Block. Chemistry & Industry (16 Dec 67) p.2099-105. il. refs.

ION EXCHANGE : Resins : Feedwater treatment : Boilers : Power stations. See POWER STATIONS : Boilers : Feedwater : Treatment : Ion exchange resins

ION EXCHANGE : Resins; Polystyrene : Alkali metals. See ALKALI METALS : Ion exchange resins; Polystyrene

ION EXCHANGE : Resins : Recycling : Fuels : Nuclear reactors. See NUCLEAR REACTORS : Fuels : Recycling : Ion exchange resins

ION EXCHANGE : Resins : Spectroscopy, Infra-red

Infra-red absorption spectra of ion-exchange resins. D. Whittington & J.E. Millar. J. of Applied Chemistry, 18 (Apr 68) p.122-8. refs.

ION EXCHANGE : Resins : Water cooled nuclear reactors. See NUCLEAR REACTORS, Water cooled : Ion exchange resins

ION EXCHANGE : Saline water conversion : Feedwater : Boilers. See BOILERS : Feedwater : Saline water : Conversion : Ion exchange

ION EXCHANGE : Separation : Pigments : Molasses. See MOLASSES : Pigments : Separation : Ion exchange

ION EXCHANGE : Sodium. See SODIUM : Ion exchange

ION EXCHANGE : Sodium ion exchanged montmorillonite. See MONTMORILLONITE, Ion exchanged : Sodium : Ion exchange

ION EXCHANGE : Solvents, Organic

Inorganic ion exchange in organic and aqueous-organic solvents. G.J. Moody & J.D.R. Thomas. Analyst, 93 (Sep 68) p.557-88. refs.

ION EXCHANGE : Toughening : Silicate glass. See GLASS, Silicate : Toughening : Ion exchange

ION EXCHANGE : Vacuum : Dehydration : Castor oil. See CASTOR OIL : Dehydration : Vacuum : Ion exchange

ION EXCHANGE CHROMATOGRAPHY : Amino acids determination : Middle Eastern food. See FOOD, Middle Eastern : Determination of amino acids : Chromatography, Ion exchange

ION EXCHANGE CHROMATOGRAPHY : Amino acids determination : Spirulina maxima. See SPIRULINA MAXIMA : Determination of amino acids : Chromatography, Ion exchange

ION EXCHANGE CHROMATOGRAPHY : Autoxidation studies : Acids : Hops. See HOPS : Acids : Autoxidation : Studies : Chromatography, Ion exchange

ION EXCHANGE CHROMATOGRAPHY : Hydroxyproline isomers determination : Protein : Leaves : Broad beans. See BROAD BEANS : Leaves : Protein : Determination of hydroxyproline isomers : Chromatography, Ion exchange

ION FLOTATION. See FOAM SEPARATION

ION GETTER PUMPS, Magnetron

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ION–MOLECULE REACTIONS : Cross linking : Irradiation : 4-Polyvinyl pyridine. See 4-POLYVINYL PYRIDINE : Irradiation : Cross linking : Ion–Molecule reactions

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Some characteristics of a venetian blind particle multiplier used as a detector in the study of ion-molecule reactions. K.R. Ryan. J. of Scientific Instruments, 1 (Aug 68) p.867-8. refs.

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IONISATION

Related Headings:

PROTONATION

IONISATION : Air. See AIR : Ionisation

IONISATION : Alkaline earth metals. See ALKALINE EARTH METALS : Ionisation

IONISATION, Associative : Vapour : Mercury. See MERCURY : Vapour : Ionisation, Associative

IONISATION : Caesium vapour. See CAESIUM : Vapour : Ionisation

IONISATION : Carbon tetrafluoride. See CARBON TETRAFLUORIDE : Ionisation

IONISATION: Flames. See FLAMES: Ionisation

IONISATION : Gas discharge : Perfluorobutane. See PERFLUOROBUTANE : Gas discharge : Ionisation

IONISATION : Gases. See GASES : Ionisation

IONISATION : Helium : Shock tubes. See SHOCK TUBES : Helium : Ionisation

IONISATION : Hexafluoroethane. See HEXAFLUOROETHANE : Ionisation

IONISATION : Hydrogen. See HYDROGEN : Ionisation

IONISATION : Lead. See LEAD : Ionisation

IONISATION : Nitrogen. See NITROGEN : Ionisation

IONISATION : Oxygen : Potassium hydroxide solutions : Nickel; Electrodes. See ELECTRODES; Nickel : Potassium hydroxide solutions : Oxygen ionisation

IONISATION, Primary : Gas discharge : Neon. See NEON : Gas discharge : Ionisation, Primary

IONISATION, Secondary : Gas discharge : Neon. See NEON : Gas discharge : Ionisation, Secondary

IONISATION : Titanium. See TITANIUM : Ionisation

IONISATION : Vapour : Cathodes : Interelectrode gap closure : Rotating arcs. See ARCS, Rotating : Interelectrode gap closure : Cathodes : Vapour : Ionisation

IONISATION : Vapour : Mercury. See MERCURY : Vapour : Ionisation

IONISATION ANEMOMETERS. See ANEMOMETERS, IONISATION CHAMBERS : Rate meters : Airflow. See AIRFLOW : Rate : Meters : Ionisation chambers

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IONOSPHERE : Transmission : L.F. radio. See RADIO, L.F. : Transmission : Ionosphere

IONOSPHERE : Transmission : M.F. radio. See RADIO, M.F. : Transmission : Ionosphere

IONOSPHERE : Transmission : Radio. See RADIO : Transmission : Ionosphere

IONOSPHERE : Transmission : V.H.F. television. See TELEVISION, V.H.F. : Transmission : Ionosphere

IONOSPHERE : Transmission : V.L.F. radio. See RADIO, V.L.F. : Transmission : Ionosphere

IONS : Argon–Xenon ions : Glass; Ionisation gauges. See IONISATION GAUGES; Glass : Argon ions–Xenon ions

IONS : Collection : Bayard–Alpert ionisation gauges : Molecular flow studies. See MOLECULAR FLOW : Studies : Ionisation gauges, Bayard–Alpert : Ion collection

IONS : Collection : Probes : Boundary layer studies : Argon; Plasmas. See PLASMAS; Argon : Boundary layer : Studies : Ion collection probes

IONS : Currents : Bayard–Alpert ionisation gauges See IONISATION GAUGES, Bayard–Alpert : Ion currents

IONS : Currents, Modulated : Bayard–Alpert ionisation gauges. See IONISATION GAUGES, Bayard–Alpert : Ion currents, Modulated

IONS : Electrical conduction : Aqueous solutions : Alcohols. See ALCOHOLS : Aqueous solutions : Electrical conduction : Ions

IONS : Inert gases : Ion bombardment : Annealed gold foil. See FOIL; Gold,, Annealed : Ion bombardment : Inert gas ions

IONS : Gases. See GASES : Ions

IONS : Helium : Ion bombardment : Platinum. See PLATINUM : Ion bombardment : Helium ions

IONS : Helium : Ion bombardment : Rhenium. See RHENIUM : Ion bombardment : Helium ions

IONS : Inert gases : Ion bombardment : Annealed tungsten foil. See FOIL; Tungsten,, Annealed : Ion bombardment : Inert gas ions

IONS : Inert gases : Ion bombardment : Molybdenum. See MOLYBDENUM : Ion bombardment : Inert gas ions

IONS : Inert gases : Ion bombardment : Tungsten. See TUNGSTEN : Ion bombardment : Inert gas ions

IONS : Lead : Ion bombardment : Carbon. See CARBON : Ion bombardment : Lead ions

IONS : Magnetrons. See MAGNETRONS : Ion current

IONS : Mass spectrometers. See MASS SPECTROMETERS : Ions

IONS : Mobility : Liquid argon. See ARGON, Liquid : Ion mobility

IONS, Molecular : Afterglow : Argon : Gas discharge electron tubes. See ELECTRON TUBES, Gas discharge : Argon : Afterglow : Molecular ions

IONS, Negative

Related Headings:

ANIONS

IONS, Negative: Double sheaths: Space charge. See SPACE CHARGE: Sheaths, Double: Ions, Negative

IONS : Neon : Ion bombardment : Doping : Semiconductors : Silicon. See SILICON : Semiconductors : Doping : Ion bombardment : Neon

IONS, Positive
  Related Headings:
    CATIONS

IONS, Positive : Caesium : Caesium vapour. See CAESIUM : Vapour : Caesium positive ions

IONS, Positive : Sheaths : Langmuir probes : Electron energy distribution determination : Plasmas. See PLASMAS : Electron energy distribution : Determination : Langmuir probes : Positive ion sheaths

IONS : Sources : Mass spectrometers. See MASS SPECTROMETERS : Ions : Sources

IONS, Unsaturated : Cyclic compounds. See CYCLIC COMPOUNDS : Ions, Unsaturated

IONS : Xenon–Argon ions : Glass; Ionisation guages. See IONISATION GAUGES; Glass : Argon ions–Xenon ions

IPSWICH
  See
    WATER : Resources .. Ipswich

IRAN
  See
    DAMS .. Farahnaz Pahlavi

IRELAND
  See
    AGRICULTURAL INSTITUTE. Animal Production Division .. Ireland
    CHURCHES .. Burt
    CHURCHES .. Knockanure
    COPPER: Ores: Deposits .. Gortdrum
    FABRICS; Wool : Finishing .. Ireland
    FERTILISERS : Industry .. Ireland
    LEAD : Mining .. Tipperary County
    MOTELS .. Ireland
    ORES : Deposits .. Ireland
    RAILWAYS .. Ireland
    ROADS .. Antrim County
    SILVER: Ores: Deposits .. Gortdrum
    THEATRES : Dublin
    WATER : Engineering .. Belfast
    ZINC : Mining .. Tipperary County

IRELAND, Northern. See NORTHERN IRELAND

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Contrast from stacking faults and partial dislocations in the field-ion microscope. D.A. Smith, M.A. Fortes, A. Kelly & B. Ralph. Philosophical Magazine, 17 (May 68) p.1065-77. il. refs.

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IRIDIUM CHLORIDE–HYDROCHLORIC ACID: Solutions: Anthracene; Electrodes. See ELECTRODES; Anthracene: Hydrochloric acid–Iridium chloride solutions

IRON
  Related Headings:
    STEEL

IRON–SUBHEADINGS–Synopsis
This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Properties
  - Mechanical properties
    - *Cracks*
    - *Fracture*
    - *Charpy impact tests*
    - *Impact tests*
  - *Thermal expansion*
  - Chemistry
    - *Aqueous solutions*
    - Ions
      - *Trivalent*
      - *Cations*
    - *Oxidation*
    - *Corrosion*
    - *Pitting*
    - *Passivation*

- Technical activities
  - *Ores*
    - *Mining*
  - Analysis
    - *Determination*
    - *Spectrophotometry*
  - *Production*
  - *Manufactures*
    - *Foundry practice*
    - *Casting*
      - ***Die casting***
    - *Powder metallurgy*
    - *Heat treatment*
    - *Coatings*
  - *Transport*

- Types of Iron
  - *Liquid*
  - *Body centred cubic*
  - *Alpha*
  - *Irradiated*
  - *Cast*
    - *Grey*
    - *Nodular*
    - *Malleable*
    - *Strain aged*
    - *Cold rolled*
  - *Zone refined*
  - *Armco*

- *Alloys*

IRON : Alkaline earth phosphate glass. See GLASS, Alkaline earth phosphate : Iron

IRON : Alloys : Austenite–Ferrite transformation : Precipitates; Carbides
Interphase precipitation in iron alloys. A.T. Davenport, F.G. Berry & R.W.K. Honeycombe. Metal Science J., 2 (May 68) p.104-106. il. refs.

IRON : Alloys : Determination of cerium
Determination of cerium in cast iron, steel and ferro-silicon-magnesium alloys. H. Green. Metallurgia, 76 (Nov 67) p.223-5. refs.

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IRON : Alloys : Melting, Vacuum

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IRON : Alloys; Tubes. See TUBES : Iron alloys

IRON, Alpha : Crystals, Single : Irradiation : Electrons : Defects : Anisotropy

Anisotropy of defect production in electron irradiated iron. J.N. Lomer & M. Pepper. Philosophical Magazine, 16 (Dec 67) p.1119-28. il. refs.

IRON : Aqueous solutions : Palladium separation : Precipitates : Flotation : 1,2-Cyclohexanedione dioxime

Precipitate flotation. Pt.2: separation of palladium from platinum, gold, silver, iron, cobalt and nickel. E.J. Mahne & T.A. Pinfold. J. of Applied Chemistry, 18 (May 68) p.140-2. il refs.

IRON, Armco : Sulphidation : High temperature : Kinetics : Effect of shape

Geometrical factors in studies of the kinetics of oxidation of metals at high temperatures. Pt.3: influence of the shape and size of specimen. J. Romanski. Corrosion Science, 8 (Feb 68) p.89-102. il. refs.

IRON, Armco : Sulphidation : High temperature : Kinetics : Effect of surface

Geometrical factors in studies of the kinetics of oxidation of metals at high temperatures, pt.1 & pt.2. J. Romanski. Corrosion Science, 8 (Feb 68) p.67-87. il. refs.

IRON; Blades : Swords. See SWORDS : Blades; Iron

IRON, Body centred cubic : Cobalt diffusion

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IRON, Body centred cubic : Self diffusion

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IRON, Cast

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IRON, Cast

Related Headings:

CUPOLAS

IRON, Cast; Chemical engineering plant. See CHEMICAL ENGINEERING : Plant; Iron, Cast

IRON, Cast; Cylinders : Brakes : Motor cars. See MOTOR CARS : Brakes : Cylinders; Iron, Cast

IRON, Cast : Determination of cerium

Determination of cerium in cast iron, steel and ferro-silicon-magnesium alloys. H. Green. Metallurgia, 76 (Nov 67) p.223-5. refs.

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Present position of copper in cast iron (summary) K. Bromage. Foundry Trade J., 123 (7 Dec 67) p.841-5

Recent research on copper in cast iron (summary) B.B. Moreton. Foundry Trade J., 123 (7 Dec 67) p.845-8

Research through CIDEC—main results of research and development carried out at Ghent University (summary) A.L. De Sy & J.A. Dilewijns. Foundry Trade J., 123 (7 Dec 67) p.848-51

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Elastic properties of flake graphite irons. G.N.J. Gilbert. Brit. Foundryman, 61 (Jul 68) p.264-78. il. refs.

IRON, Cast; Exhaust manifolds : Internal combustion engines. See ENGINES, Internal combustion : Exhaust manifolds; Iron, Cast

IRON, Cast : Friction, Internal

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IRON, Cast : Graphitisation : Effect of magnesium : Studies : Dilatometry

Kinetics of first graphitization in untreated, sulphur treated and magnesium treated irons. S. Banerjee. J. of Iron & Steel Inst., 206 (Mar 68) p.278-82. refs.

IRON, Cast : Graphitisation : Effect of sulphur : Studies : Dilatometry

Kinetics of first graphitization in untreated, sulphur treated and magnesium treated irons. S. Banerjee. J. of Iron & Steel Inst., 206 (Mar 68) p.278-82. refs.

IRON, Cast; Lasts : Footwear. See FOOTWEAR : Lasts; Iron, Cast

IRON, Cast : Porosity : Effect of tin

Porosity avoided by tin in cast iron. Tin & its Uses, no.76 (1968) p.1-3. il.

IRON, Cast; Slideways : Machine tools. See MACHINE TOOLS : Slideways; Iron, Cast

IRON, Cast : Stress relieving : Thermal shock

Method of removing casting stresses by subjecting iron castings to thermal shocks. A. Kosowski. Machinery Lloyd (European ed.) 40 (Jul 68) p.27-8. il.

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IRON, Cast; Thin walled pipes. See PIPES, Thin walled; Iron, Cast

IRON : Casting

Automatic clean casting of iron [Allied Ironfounders] Engineering, 205 (1 Mar 68) p.339-40. il.

Automatic production of foundry moulds [Sinclair Iron Works, Ketley, Wellington, Shrops, of Allied Ironfounders Ltd.] Engineer, 225 (1 Mar 68) p.363-5. il.

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IRON : Casting : Melting : Furnaces : Coke : Transport : Containers

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Increased strength for zircon shell moulds. K. Bromage. Copper, 2 (Nov 68) p.14-16. il.

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IRON : Charpy impact tests
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IRON : Coatings : Thickness : Measurement : Instruments
Measurement of non-ferrous materials applied to a ferrous substrate. L. Mossom. Light Production Engng., 6 (May 68) p.32-6. il.

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On the influence of deformation and heat treatment of Fe on adsorption and action of corrosion inhibitors. Z.A. Iofa, V.V. Batrakov & Y.A. Nikiforova. Corrosion Science, 8 (Aug 68) p.573-82. refs.

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LOCKHEED L500 AIRCRAFT. See AIRCRAFT, Types, Lockheed L500

LOCKHEED L1011 AIRCRAFT. See AIRCRAFT, Types, Lockheed L1011

LOCKING : Spools : Valves : Hydraulic machinery. See HYDRAULIC MACHINERY : Valves : Spools : Locking

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LOCOMOTIVES
Related Headings:
SHUNTERS

LOCOMOTIVES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Technical activities
  Manufactures
  Maintenance

Parts
  Wheels
  Brakes
  Electronic equipment

Performance

Types
  Diesel
  Diesel-electric
  Diesel-hydraulic
  Electric
  Electro-diesel
  Steam

LOCOMOTIVES : Brakes, Air–Dynamic
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Maintenance of diesel locomotive starting batteries. A.J. Broughton. Instn. of Locomotive Engrs. J., 57 pt.6 (1967-68) p.625-45. il.

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Forging crankshafts on a horizontal multi-directional forging press. J.R. Becker. Metal Forming, 35 (Jan 68) p.4-10. il.

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Detail development of rail traction diesel engines. Gas & Oil Power, 64 (Jun 68) p.162-3. il.

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Voith cooling units for diesel-hydraulic locomotives. Railway Gaz., 124 (20 Sep 68) p.709-13. il.

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LOGARITHMIC AERIALS : Receivers : U.H.F. television. See TELEVISION, U.H.F. : Receivers : Aerials, Logarithmic

LOGARITHMIC AMPLIFIERS. See AMPLIFIERS, Logarithmic

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LONDON

See

- AIR POLLUTION .. London
- AIRPORTS : Bus transport : Town planning .. London
- AIRPORTS : Customs houses .. London
- AIRPORTS .. London
- AIRPORTS : Monorail transport : Town planning .. London
- AIRPORTS : Terminal buildings .. London
- BUSES : Transport .. Harrow
- BUSES : Transport .. Hillingdon
- BUSES : Transport .. London
- CHURCHES .. Islington

- CHURCHES .. Lambeth
- EXPLOSIVES RESEARCH AND DEVELOPMENT ESTABLISHMENT
- FIBRE BOARD DEVELOPMENT ORGANISATION
- FLATS .. Brent
- FLATS .. Camden
- FLATS .. Islington
- FLATS .. Merton
- FLATS : Old people .. Hammersmith
- FLATS .. Westminster
- FLYOVERS .. Croydon
- HOUSING : Old people .. Lambeth
- HOUSING : Town planning .. Hammersmith
- FLATS; Old people .. Sutton (London)
- FLATS .. Redbridge
- FLATS .. Southwark
- FLATS .. Tower Hamlets
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- FLYOVERS .. Westminster
- GAS COUNCIL. London Research Station .. Hammersmith
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- HEALTH CENTRES. . Bexley
- HEALTH CENTRES .. Camden
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- HOSPITALS .. Greenwich
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- HOUSING .. Hammersmith

- HOUSING .. Islington
- HOUSING .. Lambeth
- HOUSING .. London
- HOUSING .. Merton

- HOUSING .. Sutton (Surrey)
- HOUSING .. Thamesmead
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LONG WAVES : Channels : Water. See WATER : Channels : Waves, Long

LONGHORN BEETLES : Pests : Chipboard : Wood. See WOOD : Chipboard : Pests : Longhorn beetles

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LOOPS : Dislocations : Annealing : Aluminium–Magnesium; Foil. See FOIL; Aluminium–Magnesium : Annealing : Dislocations : Loops

LOOPS : Dislocations : Annealing : Single crystals : Aluminium. See ALUMINIUM : Crystals, Single : Annealing : Dislocations : Loops

LOOPS : Dislocations : Iridium. See IRIDIUM : Dislocations : Loops

LOOPS : Dislocations : Neutron irradiated molybdenum; Foil. See FOIL; Molybdenum, Irradiated : Neutrons : Dislocations : Loops

LOOPS : Dislocations : Neutron irradiated niobium. See NIOBIUM, Irradiated : Neutrons : Dislocations : Loops

LOOPS : Dislocations : Nickel–Thorium dioxide. See NICKEL–THORIUM DIOXIDE : Dislocations : Loops

LOOPS : Dislocations : Quench aged copper–gold. See COPPER–GOLD, Quench aged : Dislocations : Loops

LOOPS : Edge dislocations : Initiation : Cracks. See CRACKS : Initiation : Dislocations, Edge : Loops

LOOPS : Edge dislocations : Single crystals : Cadmium. See CADMIUM : Crystals, Single : Dislocations, Edge : Loops

LOOPS, Glide : Dislocations : Aluminium–Copper–Silicon. See ALUMINIUM–COPPER–SILICON : Dislocations : Loops, Glide

LOOPS, Hexagonal : Dislocations : Protons : Irradiated Copper foil. See FOIL; Copper,, Irradiated : Protons : Dislocations : Loops, Hexagonal

LOOPS, Multi-layer : Dislocations : Quenched aluminium. See ALUMINIUM, Quenched : Dislocations : Loops, Multi-layer

LOOPS : Pinning : Dislocations : Face centred cubic crystals. See CRYSTALS, Face centred cubic : Dislocations : Pinning : Loops

LOOPS, Shockley : Dislocations : Iridium. See IRIDIUM : Dislocations : Loops, Shockley

LOOPS : Vacancies : Annealed irradiated tungsten; Foil. See FOIL; Tungsten, Irradiated,, Annealed : Vacancies : Loops

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LORRIES

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LORRIES
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DUMPERS
TANKERS, Road
TIPPERS

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Re-launch for BMC's FJ. A.J.P. Wilding. Commercial Motor, 127 (8 Mar 68) p.66-7. il.

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Husky six-wheeler for Kiwis. R.D. Cater. Commercial Motor, 127 (3 May 68) p.77-8. il.

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LUBRICATING OILS : Engines : Ships. See SHIPS : Engines : Lubricating oils

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LUBRICATION : Chassis : Commercial vehicles. See VEHICLES, Commercial : Chassis : Lubrication

LUBRICATION : Cylinders. See CYLINDERS : Lubrication

LUBRICATION : Diesel engines : Ships. See SHIPS : Diesel engines : Lubrication

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LUBRICATION : Internal combustion engines. See ENGINES, Internal combustion : Lubrication

LUBRICATION : Joints : Artificial limbs. See LIMBS, Artificial : Joints : Lubrication

LUBRICATION : Joints : Bones. See BONES : Joints : Lubrication

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LUBRICATION : Machine tools : Engine manufactures : Aircraft. See AIRCRAFT : Engines : Manufactures : Machine tools : Lubrication

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LUMINESCENCE

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- ELECTROLUMINESCENCE
- PHOTOLUMINESCENCE
- THERMOLUMINESCENCE
- TRIBOLUMINESCENCE

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MGC : 2+2

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MACHINE TOOLS
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ABRASIVES
AUTOMATICS : Machine tools
BORING
BROACHING
CARBIDES, Sintered
CHUCKS
CLAMPS
DRAWING
DRILLING : Machines
DRILLS
GRINDING
HOBBING
JIG GRINDING
JIGS
MACHINING
MANDRELS
MILLING
PIERCING
PLANING
PRESS BRAKES

MACHINE TOOLS
Related Headings–*cont.*
PRESS TOOLS
PRESSES, Hydraulic
PRESSES, Power
PRESSES, Screw
PRESSES, Transfer
PRESSWORKING
PUNCHING
REAMERS
ROUTING
STAMPING
SWAGING
TOOLS; Diamond
TRANSFER MACHINES
TURNING

MACHINE TOOLS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Research*
- *Terminology*
- *Operatives*

- Problems
  - *Vibrations*

- Properties
  - *Accuracy*

- Technical activities
  - *Testing*
  - *Value analysis*
  - *Design*
  - *Selection*
  - *Manufactures*
  - *Rebuilding*
  - *Replacement*

  - Operation
    - *Lubrication*
      - *Lubricating oils*

- *Parts*
  - *Structures*
  - *Spindles*
  - *Bearings*
  - *Servo valves*
  - *Leadscrews*
  - *Cutters*
  - *Slideways*
  - *Electric motors*
  - *Electronic equipment*
  - *Hydraulic systems*
  - *Pneumatic equipment*
  - *Vibration isolators*
  - *Digital read out*
  - *Control systems*
  - *Actuators*
  - *Shaft encoders*
  - *Positioning equipment*
  - *Positioning control*

- *Utilisation*

- Waste products
  - *Swarf*

MACHINE TOOLS : Accuracy

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    PORTS .. Penang

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    CELLULOSE ACETATE-NYLON : Fibres
    CELLULOSE TRIACETATE : Fibres
    CRIMPLENE
    DACRON
    NYLON : Fibres
    NYLON 66 : Fibres
    P.V.C. : Fibres
    POLYAMIDES : Fibres
    POLYESTER FIBRES
    POLYPROPYLENE : Fibres
    POLYURETHANE : Fibres
    RAYON
    TERYLENE

MAN-MADE FIBRES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

History

Technical activities
  Manufactures
    Dyeing
      Dyes

Types of man-made fibres
  Bi-component
  Blended

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MAN MADE FIBRES; Wadding. See WADDING; Man made fibres

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MAN MADE FIBRES; Yarns : Knitting. See KNITTING : Yarns; Man made fibres

MAN MADE FIBRES–CELLULOSIC FIBRES; Fabrics. See FABRICS; Cellulosic–Man made fibres

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MANAGEMENT

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- CLASSIFICATION
- PRODUCTION : Management

MANAGEMENT EDUCATION : Building. See BUILDING : Education, Management

MANAGEMENT EDUCATION : Engineering. See ENGINEERING : Education, Management

MANAGEMENT EDUCATION : Foundry practice. See FOUNDRY PRACTICE : Education, Management

MANAGEMENT EDUCATION : Mechanical engineering. See MECHANICAL ENGINEERING : Education, Management

MANAGEMENT EDUCATION : Ports. See PORTS : Education, Management

MANAGEMENT EDUCATION : Textiles. See TEXTILES : Education, Management

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- HOUSING .. Manchester
- NATIONAL COMPUTING CENTRE .. Manchester
- NORTHERN COLLEGE OF MUSIC .. Manchester
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MANGANESE : Determination : Leaves : Crops. See CROPS : Leaves : Determination of manganese

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MANGANESE-COPPER. See COPPER-MANGANESE

MANGANESE-COPPER; Windows : Diffraction equipment : Neutrons. See NEUTRONS : Diffraction : Equipment : Windows; Copper-Manganese

MANGANESE DIOXIDE, Black. See PYROLUSITE

MANGANESE DIOXIDE; Cathodes : Dry batteries. See BATTERIES, Dry : Cathodes; Manganese dioxide

MANGANESE DIOXIDE : Collectors : Precipitation : Copper determination : Acid solutions : Copper. See COPPER : Acid solutions : Determination of copper : Precipitation : Collectors : Manganese dioxide

MANGANESE DIOXIDE : Collectors : Precipitation : Lead determination : Acid solutions : Copper alloys. See COPPER : Alloys : Acid solutions : Determination of lead : Precipitation : Collectors : Manganese dioxide

MANGANESE DIOXIDE : Collectors : Precipitation : Tin determination : Acid solutions : Copper alloys. See COPPER : Alloys : Acid solutions : Determination of tin : Precipitation : Collectors : Manganese dioxide

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MANGANESE-STEEL; Boilers. See BOILERS; Steel-Manganese

MANGANESE-STEEL; Headers : Boilers. See BOILERS : Headers; Steel-Manganese

MANGANESE-STEEL; Rolls : Crushers : Rock. See ROCK : Crushers : Rolls; Steel-Manganese

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MANIFOLDS, Exhaust : Engines : Motor cars. See MOTOR CARS : Engines : Exhaust manifolds

MANIFOLDS, Exhaust : Motor vehicles. See MOTOR VEHICLES : Exhaust manifolds

MANIFOLDS, Inlet : Turbocharged diesel engines. See DIESEL ENGINES, Turbocharged : Inlet manifolds

MANIFOLDS, Intake : Engines : Motor vehicles. See MOTOR VEHICLES : Engines : Intake manifolds

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MANURE, Liquid : Cows. See COWS : Manure, Liquid

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SHIPS : Navigation : Ice : Charts

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MAR-AGEING STEEL; Wire springs. See SPRINGS, Wire; Steel, Mar-ageing

MAR-AGEING STEEL–CHROMIUM–COPPER. See STEEL–CHROMIUM–COPPER, Mar-ageing

MAR-AGEING STEEL–CHROMIUM–COPPER–NICKEL. See STEEL–CHROMIUM–COPPER–NICKEL, Mar-ageing

MAR-AGEING STEEL–COBALT–MOLYBDENUM–NICKEL. See STEEL–COBALT–MOLYBDENUM–NICKEL, Mar-ageing

MAR-AGEING STEEL–COBALT–MOLYBDENUM–NICKEL; Sheets. See SHEETS; Steel–Cobalt–Molybdenum–Nickel, Mar-ageing

MAR-AGEING STEEL–COBALT–MOLYBDENUM–NICKEL; Strips. See STRIPS; Steel–Cobalt–Molybdenum–Nickel, Mar-ageing

MAR-AGEING STEEL–NICKEL; Housings : Engines : Artificial satellites. See SATELLITES, Artificial : Engines : Housings; Steel–Nickel, Mar-ageing

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MARGATE
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MARINE. See also SEA

MARINE BORERS : Pests : Wood; Structures : Ports. See PORTS : Structures; Wood : Pests : Marine borers

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MARINE ENGINEERING
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MERCURY; Electrodes : Electrolysis : Brine : Chlorine production. See CHLORINE : Production : Brine : Electrolysis : Electrodes; Mercury

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MERCURY–INDIUM; Anodes. See ANODES; Indium–Mercury
MERCURY TELLURIDE–INDIUM SESQUITELLURIDE. See INDIUM SESQUITELLURIDE–MERCURY TELLURIDE
MERCURY VAPOUR LAMPS. See LAMPS, Mercury vapour
MERCURY VAPOUR LAMPS : Photochemical degradation : 16, 17-Dimethoxydibenzanthrone : Dyed cellulose; Film. See FILM; Cellulose, Dyed : 16, 17-Dimethoxydibenzanthrone : Photochemical degradation : Lamps, Mercury vapour
MERCURY VAPOUR LAMPS : Ultraviolet radiation : Photolysis : 7,8-Dimethyl-10-formylmethylisoalloxazine. See 7,8-DIMETHYL-10-FORMYLMETHYLISOALLOXAZINE : Photolysis : Ultraviolet radiation : Lamps, Mercury vapour

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RAILWAYS, Electric.. Merseyside
MERTON
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MESH; Glass fibre : Seeding grass protection : Stabilisation : BANKS : Rivers. See RIVERS : Banks : Stabilisation : Seeding grass : Protection : Mesh; Glass fibre
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MESTA
See
ARCHITECTURE.. Mesta
TOWN PLANNING.. Mesta
METAFORMALDEHYDE. See TRIOXANE

METAL ACETYLACETONATES: Fuel additives: Effect on deposit formation: Metals; Tanks: Kerosine; Fuels: Turbojets. See TURBOJETS: Fuels; Kerosine: Tanks; Metals: Deposit formation: Effect of metal acetylacetonate fuel additives
METAL BOROHYDRIDES : Solutions : Reducing agents : Vat dyeing : Cotton–Polyester fibres; Fabrics. See FABRICS; Cotton–Polyester fibres : Dyeing, Vat : Reducing agents : Metal borohydride solutions
METAL CERAMICS. See CERMETS
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ANTIMONY
BERYLLIUM
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CADMIUM
CAESIUM
CALCIUM
CALIFORNIUM
CERIUM
CHROMIUM
COBALT
COPPER
ELEMENT 104
EUROPIUM
GADOLINIUM
GALLIUM
GERMANIUM
GOLD
GROUP B METALS
HAFNIUM
INDIUM
IRIDIUM
IRON
IRON GROUP METALS
LANTHANUM
LEAD
LITHIUM
MAGNESIUM
MANGANESE
MERCURY
MOLYBDENUM
NEODYMIUM
NICKEL
NIOBIUM
NON-FERROUS METALS
ORES
PALLADIUM
PLATINUM
PLATINUM METALS
PLUTONIUM
POLONIUM
POTASSIUM
PRECIOUS METALS
RARE EARTHS
RHENIUM
RHODIUM
RUBIDIUM
RUTHENIUM
SILVER
SODIUM
STRONTIUM
TANTALUM
TELLURIUM
TERBIUM
THALLIUM
THORIUM
TIN
TITANIUM
TRANSURANIUM ELEMENTS
TUNGSTEN
URANIUM
VANADIUM
YTTRIUM
ZINC
ZIRCONIUM

METALS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Physical & chemical aspects
    - *Nuclear magnetic resonance*
    - Mechanical properties
        - *Strain ratio*
        - *Strength*
        - *Microplasticity*
        - *Ductility*
        - *Hardness*
        - *Workability*
        - *Deformation*
        - *Tensile tests*
        - *Compression*
        - *Creep*
        - *Abrasion*
        - *Fatigue*
        - *Fracture*
            - *Cracks*
        - *Sliding*
    - Thermal properties
        - *High temperature*
    - Electrical properties
        - *Electromagnetic waves*
        - *Resistance*
    - *Crystals*
        - *Crystallisation*
        - *Grain size*
        - *Grain boundary sliding*
        - *Dislocations*
    - Chemistry
        - *Gas sorption*
        - *Dissolution*
        - *Oxidation*
        - *Oxygen diffusion*
        - Analysis
            - *Determination of...*
            - *Spectroscopy*

- Technical activities
    - *Measurements*
    - *Mining*
    - *Manufactures*
        - *Reheating*
        - *Hardening*
        - *Forming*
            - *Extrusion*
            - *Electroforming*
        - *Bonding*
        - *Finishing*
            - *Cleaning*
                - *Degreasing*
            - *Buffing*
            - *Polishing*
            - *Coating*
                - *Spraying*
                    - *Paint*
            - *Marking*

- States and types of metals
    - *Liquid*
    - *Cubic*
        - *Body centred cubic*
        - *Face centred cubic*
    - *Plastically deformed*
    - *Electrochemically machined*

METALS–SUBHEADINGS–Synopsis–cont.

- *Spark eroded*
- *Painted*
- *Welded*
- *Refractory*

- Products
    - *Scrap*

METALS : Abrasion : Abrasives : Hardness
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METALS: Astronautic vehicle components. See ASTRONAUTICS : Vehicles : Components; Metals

METALS : Attenuation : Ultrasonics. See ULTRASONICS : Attenuation : Metals

METALS; Bars. See BARS; Metals

METALS; Beams. See BEAMS; Metals

METALS; Bearings. See BEARINGS; Metals

METALS; Bearings : Internal combustion engines. See ENGINES, Internal combustion : Bearings; Metals

METALS; Blades : Rotors : Helicopters. See HELICOPTERS : Rotors : Blades; Metals

METALS, Body centred cubic : Slip
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METALS, Body centred cubic : Stacking faults, Intrinsic
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METALS : Bonding : Abrasives. See ABRASIVES : Bonding : Metals

METALS : Bonding : Adhesives
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METALS : Bonding : Adhesives; Silicones
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METALS : Bonding : Diamond tools. See TOOLS, Diamond : Bonding : Metals

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METALS : Bonding : Wheels : Diamond grinding. See DIAMOND GRINDING : Wheels : Bonding : Metals

METALS : Buffing : Wheels : Slurries, Abrasive : Injection, High pressure
Putting pressure on abrasive. D.L. Fever. Metalworking Production, 122 (6 Nov 68) p.52-3. il.

METALS; Cans : Fuel elements : Water cooled nuclear reactors. See NUCLEAR REACTORS, Water cooled : Fuel elements : Cans; Metals

METALS; Cases : Watches. See WATCHES : Cases; Metals

METALS; Cathodes. See CATHODES; Metals

METALS; Ceilings. See CEILINGS; Metals

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Pretreatment for metal finishing: some comments on cleaning practice today. D.N. Rees. Electroplating & Metal Finishing, 21 (Jul 68) p.221-3. ref.

METALS : **Cleaning : Citric acid**
Citric, tartaric and gluconic acids in metal finishing. D.C. Horner. Electroplating & Metal Finishing, 21 (Mar 68) p.75-80. refs.

METALS : **Cleaning : Equipment**
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METALS : **Cleaning, Flame, Oxy–Acetylene**
Code of practice for oxy-acetylene flame cleaning. Welding in the World, 6 (Summer 68) p.82-9. il.

METALS : **Cleaning : Gluconic acid**
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METALS : **Cleaning : Tartaric acid**
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Ultrasonic aqueous cleaning in metal finishing. R.D. Stafford. Metal Finishing J., 14 (Nov 68) p.352-4. il. refs.

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METALS; Closures : Bottles. See BOTTLES : Closures; Metals

METALS, Coated; Sheets. See SHEETS; Metals, Coated
METALS, Coated; Strips. See STRIPS; Metals, Coated

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METALS; Coatings : Plastics. See PLASTICS : Coating : Metals

METALS; Coatings : Steel; Sheets. See SHEETS; Steel : Coatings; Metals

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On the conditions affecting the mechanism of fracture at high temperatures. J.S. Waddington. Philosophical Magazine, 17 (Jan 68) p.51-9. il. refs.

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Spark-erosion machining device. R.H. Packwood & R.W. Smith. J. of Scientific Instruments, 44 (Dec 67) p.1057-8. il. refs.

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Mobility of dislocations in an internally stressed solid, pt.2. E. Smith. Philosophical Magazine, 18 (Nov 68) p.1067-77. refs.

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Ductility and the workability of metals. M.G. Cockcroft & D.J. Latham. J. of Inst. of Metals, 96 (Feb 68) p.33-9 refs.

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BILLETS
BRAZING
CASTING
CASTINGS
FOIL; Metals
FORGING
FORGINGS
FOUNDRIES
FOUNDRY PRACTICE
HEAT : Treatment
HOT WORKING
INGOTS
MACHINING
MELTING
PLATES; Metals
RODS; Metals
ROLLING
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SATELLITES, Artificial : Meteorology

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METEOROLOGY

Related Headings :

ATMOSPHERE
CLIMATE
COLD CLIMATES
FOG
FROST
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MINING

Related Headings:

BLASTING
BOREHOLES
LEACHING, Underground
MINERAL DRESSING
OFF SHORE DRILLING
PIT PROPS
PROSPECTING
QUARRYING

MINING–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Particular localities
    Underdeveloped countries
    Central America
    Australia

MINING–SUBHEADINGS–Synopsis–cont.

- Research
  - *Electron miscroscopy*

- *Consultants*

- Problems
  - *Soil mechanics*
  - *Rock mechanics*
  - *Strata control*

- Equipment
  - Machinery
    - *Hydraulic machinery*
      - *Pumps*
    - *Dumpers*
  - *Electrical equipment*

- Technical activities
  - *Engineering*
  - *Civil engineering*
  - *Transport*
    - *Roads*
  - *Tunnelling*
  - *Winding*
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- *Roofs*
- *Shafts*

- Types of mines
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MOLECULAR WEIGHTS : Distribution : Latex. See LATEX : Molecular weight distribution

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MOLECULES : Motion : Effect on chemical reactions : Polymers. See POLYMERS : Chemical reactions : Effect of molecular motion

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MOTOR BOATS : Supply vessels : Platforms : Off shore drilling : Natural gas. See GAS, Natural : Drilling, Off shore : Platforms : Supply vessels : Motor boats
MOTOR BOATS : Supply vessels : Platforms : Off shore drilling : Petroleum. See PETROLEUM : Drilling, Off shore : Platforms : Supply vessels : Motor boats
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MOTOR CARS—SUBHEADINGS—Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *History*

- *Buyers' guides*

- *Research*
- *Museums*

- *Scale models*

- *Registration numbers*

- *Costs*

- Problems
  - *Safety*
    - *Accidents*
  - *Fires*
  - *Traffic engineering*
  - *Vibrations*
  - *Exhaust*

- Technical activities
  - *Design*
  - *Manufactures*
    - *Assembly*
  - *Maintenance*
  - *Conversion*
  - *Tuning*
  - *Driving*
    - *Drivers*
    - *Starting*

- *Parts*
  - *Chassis*
  - *Brakes*
  - *Exhaust pipes*
  - *Steering systems*
    - *Steering wheels*
  - *Transmissions*
    - *Clutches*
    - *Gearboxes*
    - *Gears*
    - *Gear trains*
    - *Rear axles*
  - *Suspensions*

MOTOR CARS–SUBHEADINGS–Synopsis–cont.

- *Wheels*
  - *Tyres*
- *Bodies*
  - *Floors*
  - *Underbodies*
  - *Seats*
  - *Upholstery*
  - *Windscreens*
- *Carburettors*
- *Ignition systems*
  - *Sparking plugs*
- *Engines*
  - *Diesel engines*
  - *Gas turbines*
- *Electrical equipment*
  - *Starters*
  - *Lamps*
    - *Headlights*
- *Air conditioning*
- *Heaters*
- *Ventilation*
- *Controls*
- *Accessories*
  - *Bumpers*
  - *Radio*
  - *Tape recorders*
  - *Safety belts*

Performance
- *Fuel consumption*
- *Speed*
- *Turning*
- *Cornering*
- *Testing*
  - *Road tests*
  - *Cold chambers*

Types
- *Three wheeler*
- *Four wheel drive*
- *Steam*
- *Electric*
- *Racing*
  - *Dragster*
- *Experimental*
- *Used*
- *Scrap*

Ancillaries
- *Showrooms*

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Simple additions. Motor (12 Jun 68) suppt. p.29-32. il.

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MOTOR CARS, Types, Ford Zephyr : Conversions

Four-wheel-drive Z-cars: Ferguson conversions on police Ford Zephyrs. E. Eves. Autocar, 129 (12 Sep 68) p.56+. il.

MOTOR CARS, Types, Ford Zephyr : 6 Mk.4

Changed for the better [Ford Zephyr V6 de luxe] Motor (7 Aug 68) p.21-6. il.

Ford Zephyr 6 Mk. IV: 24,000 mile staff car report. T. Wilding. Motor (14 Feb 68) p.75-7. il.

Ford Zephyr V4 de luxe. Autocar, 129 (15 Aug 68) p.41-4. il.

MOTOR CARS, Types, Ford Zephyr V4

1966 Ford Zephyr V4: used car test. Autocar, 129 (10 Oct 68) p.100+. il.

MOTOR CARS, Types, Frazer Nash TT : Replicas

TT replica Frazer Nash 1938. R. Barker. Autocar, 128 (25 Apr 68) p.33-5. il.

MOTOR CARS, Types, General Motors

Look at General Motors. Autocar, 129 (22 Aug 68) p.65-8. il.

Minor changes affect G.M. cars for 1969. Engineer, 226 (13 Sep 68) p.396

MOTOR CARS, Types, Hillman Hunter : Conversions

Package deal: Master Hunter camouflaged with stripes. R. Bell. Motor (24 Jan 68) suppt. p.10-11. il.

MOTOR CARS, Types, Hillman Hunter : Mk.1

Hillman Hunter Mk. 1: staff car 24,000-mile report. T. Kyd. Motor (14 Aug 68) p.37-40. il.

Hillman Hunter Mk. 1: 12,000 mile staff car report. R. Bell. Motor (24 Jan 68) p.87-92. il.

MOTOR CARS, Types, Hillman Imp
Devil we know, pt.1 [Hillman imp] M. Parkes & T. Fry. Motor (6 Mar 68) p.17-21. il.
Devil we know, pt.2. M. Parkes & T. Fry. Motor (13 Mar 68) p.45-8. il.

MOTOR CARS, Types, Hillman Imp : Conversions
Prize fighters: Broadspeed Anglia and Fraser Imp. G. Robson. Autocar, 128 (4 Jan 68) p.2-5. il.

MOTOR CARS, Types, Hillman Minx
Moderation in all things: philosophy of the Hillman Minx. M. Bowler. Motor (24 Jan 68) suppt. p.25+. il.

MOTOR CARS, Types, Honda N360
Honda N.600 and N.360. Pt.1: general arrangement, the body, suspension and steering. Automobile Engr., 58 (Jul 68) p.280-8. il.

MOTOR CARS, Types, Honda N360 : Road tests
Economy—if you amble [Honda N360] Motor (24 Apr 68) p.33-8. il.
Honda N360. Autocar, 128 (2 May 68) p.43-7. il.

MOTOR CARS, Types, Honda N600
Honda N.600 and N.360. Pt.1: general arrangement, the body, suspension and steering. Automobile Engr., 58 (Jul 68) p.280-8. il.

MOTOR CARS, Types, Honda N600 : Road tests
Economy fun car [Honda N600] Motor (6 Nov 68) p.43-8. il.

MOTOR CARS, Types, Honda N 1300
Honda's challenge: new N1300 is intended to be a world-beater J.K. Yamaguchi. Motor (6 Nov 68) p.50-1. il.

MOTOR CARS, Types, Jaguar
Four great Jaguars. E. Dymock. Autocar, 128 (20 Jun 68) p.2-6. il.
Twenty fine years of the leaping feline. K. Ludvigsen. Autocar, 129 (22 Aug 68) p.54-6. il.

MOTOR CARS, Types, Jaguar 240 : Road tests
Jaguar 240. Autocar, 128 (4 Jan 68) p.7-12. il.
Value for money [Jaguar 240] Motor (24 Jan 68) p.75-80. il.

MOTOR CARS, Types, Jaguar 420
Jaguar 420: 12,000 mile staff car report. R. Bensted-Smith. Motor (3 Apr 68) p.17-22. il.
Jaguar 420: 24,000-mile staff car report. R. Bensted-Smith. Motor (25 Sep 68) p.18-20. il.

MOTOR CARS, Types, Jaguar E type : 2+2 : Conversions
E-type to American specification. Autocar, 128 (29 Feb 68) p.52-3. il.

MOTOR CARS, Types, Jaguar E type : Road tests
1964 Jaguar E type fixed head. Autocar, 128 (25 Apr 68) p.69-70. il.

MOTOR CARS Types, Jaguar XJ6
Jaguar: new XJ6 models with 2.8 or 4.2 litre six-cylinder engines. Automobile Engr., 58 (Nov 68) p.462-7. il.
Jaguar XJ6 luxury saloon cars. T. Jeeves. Automotive Design Engng., 7 (Oct 68) p.70-2. il.
New Jaguar XJ6. Autocar, 129 (26 Sep 68) p.26+. il.
Very new Jaguar ["XJ6"] H. Hastings. Motor (2 Oct 68) p.65+. il.

MOTOR CARS, Types, Jensen FF : Road tests
Jensen FF. Autocar, 128 (28 Mar 68) p.11-16. il.
Performance with safety [Jensen FF] Motor (27 Mar 68) p.27-32. il.

MOTOR CARS, Types, Lamborghini
Miracle of Sant'Agata Bolognese. P. Turner. Motor (21 Aug 68) p.33-7. il.

MOTOR CARS, Types, Lamborghini Espada
Lamborghini Espada. Autocar, 128 (13 Jun 68) p.42-6. il.

MOTOR CARS, Types, Lancia Flavia : 1800
Matured quality: Lancia Flavia 1800 (fuel injection) Motor (13 Dec 67) p.25-30. il.

MOTOR CARS, Types, Lancia Fulvia : Coupé Rallye 1.3 : Road tests
Contemporary classic [Lancia Fulvia Coupé Rallye 1.3] Motor (3 Jul 68) p.31-6. il.

MOTOR CARS, Types, Lancia Fulvia : Rallye : Road tests
Lancia Fulvia Rallye. Autocar. 128 (20 Jun 68) p.52-3. il.

MOTOR CARS, Types Lincoln Continental : Mk.3
Lincoln's new Continental MK.111. E. Eves. Autocar, 128 (15 Feb 68) p.2-4. il.

MOTOR CARS, Types, Lotus
Cultivating the Lotus. G. Robson. Autocar, 129 (5 Sep 68) p.38-9. il.
Swift sample: spot check on current Lotus models. Autocar, 129 (5 Sep 68) p.45-8. il.

MOTOR CARS, Types, Lotus Elan
Lotus Elan: 24,000 mile staff car report. J. Tosen. Motor (13 Dec 67) p.18-21. il.

MOTOR CARS, Types, Lotus Elan : +2 : Road tests
Lotus Elan +2 (Special Equipment) Autocar, 128 (21 Mar 68) p.11-16. il.

MOTOR CARS, Types, Lotus Elan : SE Coupé : Road tests
Better than best [Lotus Elan coupé SE] Motor (10 Jan 68) p.54-5. il.

MOTOR CARS, Types, Lotus Elan : S4
New from Lotus. G. Robson. Autocar, 129 (1 Aug 68) p.55-6. il.
New from Lotus: Group 6 racing engine, Elan S4 and other changes. Motor (31 Jul 68) p.40-1. il.

MOTOR CARS, Types, Lotus Europa : Road tests
Lotus Europa: sports GT for export only. Autocar, 128 (9 May 68) p.10-12. il.

MOTOR CARS, Types, Lotus Europa : S2
Driving impressions of the Europa II. J. Tosen. Motor (11 Sep 68) p.26-7. il.
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European test drive: personal impressions of the S2 Lotus Europa. M. Scarlett. Autocar, 129 (5 Sep 68) p.42-3. il.

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Evolution of the MG. R. Rowland. Nature, 217 (20 Jan 68) p.240-2. il. refs.

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Autotest: MG 1300 Mk II. Autocar, 129 (17 Oct 68) p.110-14. il.

MOTOR CARS, Types, M.G. MGC : Conversions
Nicholson MGC. Autocar, 129 (25 Jul 68) p.54-5. il.

MOTOR CARS, Types, M.G. MGC : GT 2+2 : Road tests
MGC GT automatic. Autocar, 129 (7 Nov 68) p.10-14. il.

MOTOR CARS, Types, Marcos 1600 : Conversions
Conversions: Lawrencetune Marcos. Motor (22 May 68) p.4-5. il.

MOTOR CARS, Types, Marcos 1600 : GT
Marcos 1600 GT. Automobile Engr., 58 (Jul 68) p.301-3. il.

MOTOR CARS, Types, Marcos 1600 : GT : Road tests
Marcos 1600 GT 1,599 c.c. Autocar, 129 (1 Aug 68) p.48-52. il.

MOTOR CARS, Types, Maserati Ghibli
Ghibli—Maserati's fastest. P. Frere. Motor (10 Jan 68) p.50-2. il.

MOTOR CARS, Types, Mazda 110S
Twin rotor coupe [Mazda 110S] Motor (10 Jan 68) p.41-6. il.

MOTOR CARS, Types, Mazda 110S : Road tests
Mazda 110S coupe. Autocar, 128 (8 Feb 68) p.11-16. il.

MOTOR CARS, Types, Mazda 1500
Mazda 1500 described. Autocar, 127 (14 Dec 67) p.35-8. il.

MOTOR CARS, Types, Mazda 1500 : Road tests
Mazda 1500 de luxe. Autocar, 128 (11 Apr 68) p.35-9. il.

MOTOR CARS, Types, **Mazda R100**

Wankels for all: new Mazda R100 Coupe is for mass production. J.K. Yamaguchi. Motor (14 Aug 68) p.52-4. il.

MOTOR CARS, Types, **Mercedes : History**

From riches to rags to riches. M. Clark. Autocar, 128 (9 May 68) p.22

MOTOR CARS, Types, **Mercedes-Benz**

Mercedes-Benz changes for 1968. Engineering, 205 (12 Jan 68) p.54-5. il.

More-powerful saloon cars: new models from Alfa Romeo and Mercedes-Benz. Engineer, 225 (19 Jan 68) p.130. il.

New generation of Mercedes. C. Bulmer. Motor (17 Jan 68) p.68-72. il.

New Mercedes range. G. Howard. Autocar, 128 (11 Jan 68) p.35-9. il.

MOTOR CARS, Types, **Mercedes-Benz 250 : Coupé**

Best of the smallest: new Mercedes 250 Coupé joins range. Motor (20 Nov 68) p.84-5. il.

MOTOR CARS, Types, **Mercedes-Benz 280S : Road tests**

German cars: more punch, more money [Mercedes-Benz 280S] Motor (5 Jun 68) p.42-3

MOTOR CARS, Types, **Mercedes-Benz 280SL**

Getaway Merc. Autocar, 128 (9 May 68) p.58-9. il.

MOTOR CARS, Types, **Mercedes-Benz 300SEL**

300SEL—economy version: impression test. Motor (29 May 68) p.28-30. il.

MOTOR CARS, Types, **Mercedes-Benz 300SEL : Road tests**

Long week-end with Mercedes. P. Frere. Motor (31 Jul 68) p.37-9. il.

MOTOR CARS, Types, **Mercedes Benz 300SLR**

Thirteen years on. L.J.K. Setright. Motor (10 Jul 68) p.56-7. il.

MOTOR CARS, Types, **Mitsubishi Colt : 1100 : Road tests**

Export special [Mitsubishi Colt 1100] Motor (31 Jul 68) p.17-22. il.

MOTOR CARS, Types, **Mitsubishi Colt : 1100F : Road tests**

Mitsubishi Colt 1100F. Autocar, 128 (23 May 68) p.11-15 il.

MOTOR CARS, Types, **Monteverdi**

Monteverdi: Swiss special builder turns GT manufacturer. Autocar, 129 (29 Aug 68) p.25-7. il.

MOTOR CARS, Types, **Morgan Plus 8**

Transmogrification: new 3½ litre Morgan. M. Bowler. Motor (11 Sep 68) p.24-5. il.

Vee-8 Morgan: powerful Rover engine in traditional Morgan. Autocar, 129 (12 Sep 68) p.2-5. il.

MOTOR CARS, Types, **Morgan Plus 8 : Road tests**

Autotest: Morgan Plus 8. Autocar, 129 (12 Sep 68) p.6-10. il.

Quite unique [Morgan 3½ litre Plus Eight] Motor (Sep 68) p.17-22. il.

MOTOR CARS, Types, **Morris 1300 : Mk.2 : Super de luxe : Road tests**

Fuss-free family saloon [Morris 1300 super de luxe two-door] Motor (30 Oct 68) p.17-22. il.

MOTOR CARS, Types, **Morris 1800 : De luxe Mk.2 : Road tests**

Space with punch: Morris 1800 de luxe Mk.II. Motor (22 May 68) p.57-9. il.

MOTOR CARS, Types, **Morris Mini : Mk.2 1000 Super : Road tests**

More power for a small package [Morris Mini Mk. II 1000 Super] Motor (28 Feb 68) p.21-6. il

MOTOR CARS, Types, **N.S.U. 1200C: Road tests**

Another step up [NSU 110SC (1200C)] Motor (27 Dec 67) p.24-5. il.

MOTOR CARS, Types, **N.S.U. Ro80 : Road tests**

Car of the year—or decade? NSU Ro80. Motor (31 Jan 68) p.23-8. il.

NSU Ro80 1,990 c.c. (nominal) Autocar, 128 (1 Feb 68) p.11-16. il.

MOTOR CARS, Types, **N.S.U. Super Prinz : Road tests**

Autotest: NSU Super Prinz. Autocar, 129 (29 Aug 68) p.18-22. il.

MOTOR CARS, Types, **Opel Commodore : Coupé : Road tests**

Five seats with style [Opel Commodore Coupé] Motor (26 Jun 68) p.19-24. il.

MOTOR CARS, Types, **Opel Kadett : Rallye**

Opel Rallye Kaddett. Autocar, 128 (22 Feb 68) p.46-8. il.

MOTOR CARS, Types, **Opel Olympia : Coupé : Road tests**

Opel Olympia Coupe 1,078cc. Autocar, 129 (8 Aug 68) p.42-4. il.

MOTOR CARS, Types, **Opel Rekord**

Driving the Opel Rekord. Engineering, 205 (26 Jan 68) p.144. il.

MOTOR CARS, Types, **Peugeot 204 : Coupé : Road tests**

Peugeot 204 Coupe. Autocar, 129 (8 Aug 68) p.19-23. il.

Three-door coupe [Peugeot 204 coupe] Motor (9 Oct 68) p.41-6. il.

MOTOR CARS, Types, **Peugeot 404**

Gum booted refinement [Peugeot 404] Motor (6 Mar 68) p.23-8. il.

MOTOR CARS, Types, **Peugeot 504**

Peugeot perfection. Autocar, 129 (12 Sep 68) p.34-8. il.

Rare event: new Peugeot model—the 504. J. Tosen. Motor (18 Sep 68) p.42-4. il.

MOTOR CARS, Types, **Pontiac Firebird**

Beethoven on opposite lock: Pontiac Firebird, the complete entertainment system. R. Bell. Motor (12 Jun 68) p.97-9. il.

MOTOR CARS, Types, **Porsche 911 E : Sportomatic : Road tests**

Porsche 911E Sportomatic. Autocar, 129 (31 Oct 68) p.26-31. il.

MOTOR CARS, Types, **Porsche 911 L : Sportomatic : Road tests**

Enthusiast's automatic [Porsche 911L Sportomatic] Motor (14 Aug 68) p.44-6. il.

MOTOR CARS, Types, **Railton Straight Eight**

Ten years ahead of its time: Railton Straight Eight. M. Clark. Autocar, 129 (3 Oct 68) p.68-9. il.

MOTOR CARS, Types, **Rambler Javelin**

Javelin and AMX: transformation of American Motors. G. Robson. Autocar, 129 (4 Jul 68) p.2-5. il.

MOTOR CARS, Types, **Rambler Javelin : Road tests**

Rambler Javelin hardtop SST. Autocar, 128 (25 Apr 68) p.11-15. il.

'We couldn't spin it...': playing with the American Motors' Rambler Javelin SST. J. Tosen. Motor (31 Jan 68) p.32-5. il.

MOTOR CARS, Types, **Reliant Scimitar**

Reliant Scimitar 3-litre: 12,000-mile staff car report. C. Bulmer. Motor (21 Aug 68) p.19-24. il.

MOTOR CARS, Types, **Reliant Scimitar : Road tests**

Big little brother: Reliant Scimitar 2½-litre. Motor (8 May 68) p.45-7. il.

Reliant Scimitar 2.5-litre. Autocar, 129 (19 Sep 68) p.34-8. il.

MOTOR CARS, Types, **Renault**

Renault review. Autocar, 128 (11 Apr 68) p.49-60. il.

MOTOR CARS, Types, **Renault 4 : De luxe : Road tests**

Voiture utilitaire: Renault 4 (de luxe version) Motor (6 Dec 67) p.37-42. il.

MOTOR CARS, Types, **Renault 6**

Filling the gaps [Renault 6] A. Curtis. Motor (25 Sep 68) p.33+. il.

Renault 6. Autocar, 129 (26 Sep 68) p.5+. il.

MOTOR CARS, Types, **Renault 8 : Road tests**

1963 Renault 8. Autocar, 128 (9 May 68) p.43-4. il.

MOTOR CARS, Types, **Renault 16 : TS**

Renault 16TS. Autocar, 128 (14 Mar 68) p.5-6. il.

MOTOR CARS, Types, Renault 16 : TS : Road tests
Better still [Renault 16TS] Motor (19 Jun 68) p.41-6. il.

MOTOR CARS, Types, Riley 2½ litre
Faithful old-timer: ten years with 2½-litre Riley. A.A. Townsin. Autocar, 128 (22 Feb 68) p.42-4. il.

MOTOR CARS, Types, Rolls Royce Silver Shadow : Road tests
Silent and sumptuous [Rolls-Royce Silver Shadow] Motor (13 Nov 68) p.23-9. il.

MOTOR CARS, Types, Rootes
Price of the vintage. Motor (24 Jan 68) suppt. p.41+
Specifications and performance: quick guide to the Rootes cars of today. Motor (24 Jan 68) suppt. p.30-1. il.

MOTOR CARS, Types, Rover 2000
Rover 2000 every five minutes. Mass Production, 44 (Oct 68) p.112

MOTOR CARS, Types, Rover 2000 : Road tests
1964 Rover 2000. Autocar, 128 (16 May 68) p.38-9. il.

MOTOR CARS, Types, Rover Three Thousand Five
500 miles with a V8 Rover. Engineering, 205 (28 Jun 68) p.991-2. il.
New kind of roving [Rover 3500 V8] H. Hastings. Motor (17 Apr 68) suppt. p.ii-70. il.
New—Rover Three Thousand Five. Autocar, 128 (18 Apr 68) p.14-16. il.
Rover: 2000 + V8 = 3500. Engineering, 205 (19 Apr 68) p.584-5. il.
Rover: modifications to the automatic transmission for all models: first appearance of the Three Thousand Five car at Earls Court. Automobile Engr., 58 (Nov 68) p.469-70
Rover's Three Thousand Five. Engineer, 225 (19 Apr 68) p.622-3. il.

MOTOR CARS, Types, Rover Three Thousand Five : Road tests
Compact power pack: outstanding performance with good economy; good handling; Rover virtues unchanged [Rover 3500 V8] Motor (17 Apr 68) p.41-6. il.
Rover 3500. Autocar, 128 (18 Apr 68) p.35-9. il.

MOTOR CARS, Types, Saab
Changing face of Saab: four-stroke takes over. Motor (14 Aug 68) p.31. il.

MOTOR CARS, Types, Simca 1100 : GLS : Road tests
Simca 1100 GLS. Autocar, 128 (11 Jan 68) p.23-8. il.
Compact versatility [Simca 1100 GLS] Motor (27 Dec 67) p.11-16. il.

MOTOR CARS, Types, Singer Vogue
Long-term assessment: Singer Vogue at 10,000 miles. P. Garnier. Autocar, 127 (28 Dec 67) p.2-5. il.

MOTOR CARS, Types, Singer Vogue : Mk.2 : Road tests
Used car test: 1963 Singer Vogue Mk. II. Autocar, 128 (18 Jan 68) p.76-7. il.

MOTOR CARS, Types, Skoda 1100 : MB : Road tests
Skoda 1100 MB. Autocar, 129 (4 Jul 68) p.22-3. il.

MOTOR CARS, Types, Standard Triumph
Triumph family TRee: 15 year development of a sports car. Motor (12 Jun 68) suppt. p.3+. il.

MOTOR CARS, Types, Standard Triumph 13/60
Triumph 13/60 -- nimble and quick. Engineering, 206 (19 Jul 68) p.131-2. il.

MOTOR CARS, Types, Standard Triumph 13/60 : Convertible : Road tests
Triumph Herald 13/60 convertible. Autocar, 128 (7 Mar 68) p.27-31. il.

MOTOR CARS, Types, Standard Triumph 13/60 : Road tests
Lively and compact [Triumph Herald 13/60 Saloon] Motor (10 Apr 68) p.25-30. il.

MOTOR CARS, Types, Standard Triumph 1300
Triumph 1300: 24,000 mile staff car report. E. Coushion. Motor (6 Mar 68) p.37-40. il.

MOTOR CARS, Types, Standard Triumph 1300 : Conversions
Triumph 1300 TC. Autocar, 128 (2 May 68) p.7-9. il.

MOTOR CARS, Types, Standard Triumph 1300 : TC : Road tests
Performance replaces refinement [road test 4/66 supplement] Motor (3 Jan 68) p.28-9. il.

MOTOR CARS : Types, Standard Triumph 2000 : Conversions : Road tests
Triumph 2500/P.I Rally car. M. Scarlett. Autocar, 128 (25 Jan 68) p.28-30. il.

MOTOR CARS, Types, Standard Triumph 2000 : Overdrive : Road tests
Triumph 2000 (overdrive): used car test. Autocar, 127 (28 Dec 67) p.20-1. il.

MOTOR CARS, Types, Standard Triumph GT6 : Mk.2
MK 2 Triumph GT6. Autocar, 129 (26 Sep 68) p.2-4. il.
More GT6 appeal. Motor (25 Sep 68) p.15-17. il.

MOTOR CARS, Types, Standard Triumph TR5
New Triumph 2.5 P.1. Autocar, 129 (3 Oct 68) p.18-20. il.

MOTOR CARS, Types, Standard Triumph TR5 : Road tests
Invigorating injection [Triumph TR5] Motor (1 May 68) p.17-22. il.
Triumph TR5 PI. Autocar, 128 (4 Apr 68) p.11. il.

MOTOR CARS, Types, Standard Triumph Vitesse : Mk.2
Vitesse finesse. C. Bulmer. Motor (16 Oct 68) p.137-8. il.

MOTOR CARS, Types, Sunbeam Rapier
Going in style [Sunbeam Rapier] Motor (3 Jan 68) p.15-20. il.
Sunbeam Rapier: 11,000 miles. P. Garnier. Autocar, 129 (10 Oct 68) p.77-80. il.

MOTOR CARS, Types, Sunbeam Rapier : H120
Fastest Rapier yet—the H120. Autocar, 129 (17 Oct 68) p.98-9. il.

MOTOR CARS, Types, Sunbeam Rapier : Road tests
Sunbeam Rapier. Autocar, 128 (25 Jan 68) p.11-16. il.

MOTOR CARS, Types, Sunbeam Stiletto : Road tests
Sunbeam Stiletto. Autocar, 127 (14 Dec 67) p.13-16. il.

MOTOR CARS, Types, T.V.R. Vixen : Road tests
Short sharp coupé. Motor (15 May 68) p.42-3. il.
TVR Vixen 1600. Autocar, 128 (25 Apr 68) p.23-4. il.

MOTOR CARS, Types, Toyota Century
Japanese luxury: Toyota Century. J.K. Yamaguchi. Motor (21 Feb 68) p.28-9. il.

MOTOR CARS, Types, Toyota Corolla : De luxe : Road tests
Toyota Corolla de luxe 1,077 c.c. Autocar, 129 (1 Aug 68) p.19-23. il.

MOTOR CARS, Types, Triumph : TR4
Used car test: 1962 Triumph TR4. Autocar, 129 (5 Sep 68) p.53-4. il.

MOTOR CARS, Types, Triumph Dolomite
Of scarcity value: some research into the legendary straight-eight Triumph Dolomite. H. Tours. Autocar, 127 (21 Dec 67) p.33-5. il.
Were those the days?: 1938-9 Triumph Dolomite Roadster and 1946-9 Triumph Roadsters. R. Barker. Autocar, 128 (18 Jan 68) p.71-4. il.

MOTOR CARS, Types, Triumph Roadster
Were those the days?: 1938-9 Triumph Dolomite Roadster and 1946-9 Triumph Roadsters. R. Barker. Autocar, 128 (18 Jan 68) p.71-4. il.

MOTOR CARS, Types, Vanden Plas Princess : R : Road tests
1964 Vanden Plas Princess R. Autocar, 128 (14 Mar 68) p.50-1. il.

MOTOR CARS, Types, Vauxhall : Buyers' guides
Vauxhall buyers' guide: models, specifications and prices. Motor (20 Nov 68) p.38-42. il.

MOTOR CARS, Types, Vauxhall Ventora
New Vauxhall Ventora: Cresta power train in Victor structure. Autocar, 128 (29 Feb 68) p.2-5. il.
3.3-Litre Ventora: new car from Vauxhall. Engineer, 225 (1 Mar 68) p.370-1. il.
Ventora—son of Victor and Cresta. J. Tosen. Motor (28 Feb 68) p.47-9. il.

MOTOR CARS, Types, Vauxhall Ventora : Road tests

Pleasant union [Vauxhall Ventora] Motor (20 Mar 68) p.21-6. il.

Vauxhall Ventora 3,294c.c. Autocar, 128 (14 Mar 68) p.11-15. il.

MOTOR CARS, Types, Vauxhall Victor

Vauxhall Victors. Pt.3: braking system, rack-and-pinion steering gear, energy-absorbing steering column assembly, and unitary body structure. Automobile Engr., 58 (Feb 68) p.42-50. il.

MOTOR CARS, Types, Vauxhall Victor : 2000

Victor 2000: 8,000 miles. G. Robson. Autocar, 128 (16 May 68) p.27-30. il.

MOTOR CARS, Types, Vauxhall Victor : 2000 : Road tests

Same name, wider market [Vauxhall Victor 2000] Motor (20 Dec 67) p.15-20. il.

MOTOR CARS, Types, Vauxhall Viva

Refinements in Vauxhall Viva range of cars. Mass Production, 44 (Oct 68) p.113-14. il.

MOTOR CARS, Types, Vauxhall Viva : 90

Vauxhall Viva 90: 12,000-mile staff car report. M. Bowler. Motor (13 Mar 68) p.17-22. il.

MOTOR CARS, Types, Vauxhall Viva : 1600

Victor 1600 engine for Vivas. Autocar, 128 (27 Jun 68) p.16-17. il.

MOTOR CARS, Types, Vauxhall Viva : GT

2 Litre Viva GT: twin carburettor O.H.C. engine. Engineer, 225 (15 Mar 68) p.440-1. il.

Vauxhall Viva GT. Autocar, 128 (14 Mar 68) p.2-4. il.

Viva-a-go-go: latest model from Vauxhall with 2000 twin-carb unit. Motor (20 Mar 68) p.17-19. il.

MOTOR CARS, Types, Vauxhall Viva : GT : Road tests

Fast but not furious [Vauxhall Viva GT] Motor (24 Jul 68) p.19-24. il.

Vauxhall Viva GT. Autocar, 129 (18 Jul 68) p.19-23. il.

MOTOR CARS, Types, Volkswagen 411

Beetle becomes Butterfly: new Volkswagen 411 emerges. Motor (14 Aug 68) p.42-3. il.

VW 411 from Wolfsburg. G. Robson. Autocar, 129 (15 Aug 68) p.10-14. il.

VW411-Volkswagen's largest saloon car. Engineer, 226 (16 Aug 68) p.238-9. il.

Volkswagen 411—unit construction five seats and four doors. Engineering, 206 (16 Aug 68) p.258-9. il.

MOTOR CARS, Types, Volkswagen 411L : Road tests

Peoples car grown up [Volkswagen 411L four-door] Motor (20 Nov 68) p.75-80. il.

Volkswagen 411L two-door. Autocar, 129 (14 Nov 68) p.12-17. il.

MOTOR CARS, Types, Volkswagen 1200

Volkswagen 1200: staff car 36,000-mile report. A. Clifford. Motor (28 Aug 68) p.13-16. il.

MOTOR CARS, Types, Volkswagen 1200 : Conversions

Here comes kooky [Beach Buggy] N. Brittan. Motor (31 Jul 68) p.33-5. il.

MOTOR CARS, Types, Volkswagen 1500 : Semi-automatic : Road tests

Auto with adhesion [Volkswagen 1500 Automatic] Motor (21 Feb 68) p.30-2. il.

Volkswagen 1500 semi-automatic 1,493c.c. Autocar, 128 (22 Feb 68) p.19-22. il.

MOTOR CARS Types, Volkswagen 1600 : TL Automatic : Road tests

German cars: leave-it-alone auto [Volkswagen 1600TL automatic] Motor (5 Jun 68) p.50-1. il.

Volkswagen 1600TL Automatic. Autocar, 128 (14 Mar 68) p.27-31. il.

MOTOR CARS, Types, Volvo 122 : S B18 : Road tests

1964 Volvo 122S B18: used car test. Autocar, 128 (15 Feb 68) p.52-3. il.

MOTOR CARS, Types, Volvo 145 : Road tests

Built to last [Volvo 145] Motor (14 Aug 68) p.28-30. il.

MOTOR CARS, Types, Wolseley 16/60

Long term assessments of 1964 Austin A60 and 1963 Wolseley 16/60. Autocar, 128 (9 May 68) p.14-16. il

MOTOR CARS : Tyres

Tyres and safety. A. Coxall. Motor (27 Dec 67) p.36-7. il.

MOTOR CARS : Tyres, Radial ply

Safety is radial. Rubber & Plastics Age, 48 (Dec 67) p.1315-16

MOTOR CARS : Tyres, Radial ply : Sidewalls; Rubber—Styrene—Butadiene rubber

Sidewall compounds for radial ply tyres. Pt.1: use of compounds based on blends of natural rubber and SBR. T. Sweeney & E.R. Thornley. J. of Instn. of Rubber Industry, 1 (Nov/Dec 67) p.326-33. il. refs.

MOTOR CARS : Tyres : Treads : Regulations

The new tyre regs: how they affect you. Autocar, 128 (21 Mar 68) p.21-2. il.

MOTOR CARS : Tyres : Treads; Rubber, Oil extended

Safe journey on OENR winter tyres. Rubber Developments, 21 no.2 (1968) p.49-50. il.

MOTOR CARS : Tyres : Winter

Hold on! Winter tyres, studs and chains. M. Bowler. Motor (13 Nov 68) p.45-6. il.

Which tyres?: spikes and chains. D. Thomas. Autocar, 129 (14 Nov 68) p.3-5. il.

MOTOR CARS : Underbodies : Sheets; Steel,, Galvanised

Galvanized steel—the Rolls-Royce story. Metal Finishing J., 14 (Sep 68) p.295-8. il.

MOTOR CARS : Upholstery; Thermoplastics : Backing : Fabrics : Colour

Construction and colour of car fabrics. H.C. Felsher & W.J. Hanau. Dyer, Textile Printer, Bleacher & Finisher, 139 (1 Mar 68) p.283-6. refs.

MOTOR CARS, Used : Costs

What will the money buy. S. Bladon. Autocar, 128 (4 Apr 68) p.56-8. il.

MOTOR CARS : Ventilation

Selection and testing of automobile heating and ventilating systems. S.R.G. Taylor. Instn. of Mechanical Engrs. Proc., 182 pt.3E (1967-68) p.152-60. il. refs.

MOTOR CARS : Vibrations : Damping

Not so good vibrations: resonance and the motor car. J. Tosen. Motor (7 Feb 68) p.20-3. il.

MOTOR CARS : Vibrations : Testing : Vibrators, Electrohydraulic

Laboratory investigation of vehicle vibration. C. Ashley & B. Mills. Instn. of Mechanical Engrs. Proc., 182 pt.3B (1967-68) p.23-31. il. refs.

MOTOR CARS : Wheels : Hubs

Centre-lock. F. Wilson-McComb. Autocar, 129 (5 Sep 68) p.7-9. il.

MOTOR CARS : Wheels : Painting : Electrophoresis

BMC wheel plant switches to electropaint [Carrier Engineering Co. Ltd. Cowley] Product Finishing, 21 (Apr 68) p.42+. il.

450 car wheels electroprimed hourly: carrier plant for BMC Morris uses PJA electropaint. Industrial Finishing, 20 (Apr 68) p.34-5. il.

MOTOR CARS : Windscreens; Glass, Toughened

Clearway through shattered glass [Triplex Safety Glass Co.] Engineering, 204 (8 Dec 67) p.920-2. il.

MOTOR COACHES

Bedford VAL and VAM/Duple coaches. R.D. Cater. Commercial Motor, 126 (12 Jan 68) p.60-4. il.

Bedford VAM70 with Duple Viceroy 45-seat coach body. A.A. Townsin. Bus & Coach, 40 (Feb 68) p.41-5. il.

Bristol LH/Plaxton 41-seat coach. R.D. Cater. Commercial Motor, 128 (8 Nov 68) p.81-4. il.

Built in Belgium for U.S. service. W.H. Godwin. Bus & Coach, 40 (Jan 68) p.14-16. il.

CM operational trial: Bristol RE/ECW 45-seat coach. R.D. Cater. Commercial Motor, 127 (17 May 68) p.55-8. il.

MOTOR COACHES—*cont.*

Coaches for the limited budget [Bedford VAS 1 & Bedford SBG] Bus & Coach, 40 (Mar 68) p.79-81. il.

Coil springing gives smooth ride to this Alexander-bodied A.E.C. "Reliance". Transport J., 27 (Feb 68) p.10+. il.

Improvements all round for Daimler. A.A. Townsin. Bus & Coach, 40 (Oct 68) p.318-21. il.

Mercedes-Benz 0.302 coach R.D. Cater. Commercial Motor, 127 (2 Aug 68) p.44-5. il.

More power but costs go up [Bedford VAL] J.F. Moon. Transport World (Feb 68) p.14-16. il.

Travelling first class. Transport World (Aug 68) p.12-13. il.

MOTOR COACHES : **Air conditioning**

Passenger coach air conditioning: two systems from Smiths Industries. Modern Refrigeration & Air Conditioning, 71 (Nov 68) p.89-90. il.

Production-line air conditioning [Mercedes-Benz O 302] J.F. Moon. Bus & Coach, 40 (Jan 68) p.8-12. il.

MOTOR COACHES : **Bodies**

British touring coach bodywork. Commercial Motor, 128 (8 Nov 68) p.66-8. il.

Passenger bodywork: technical review of show exhibits. D. Moses. Commercial Motor, 128 (27 Sep 68) p.126-31. il.

MOTOR COACHES : **Bodies : Buyers' guides**

1968 buyers' guide to British coach bodywork. Transport World (Feb 68) p.20-4. il.

MOTOR COACHES : **Bodies : Design**

Duple coachwork for 1969. A.A. Townsin. Bus & Coach, 40 (Sep 68) p.281-3. il.

Whole—not fractional. A.A. Townsin. Bus & Coach, 40 (Mar 68) p.75-8. il.

MOTOR COACHES : **Brakes : Retarders : Testing**

Klam retarder effective on test. A.J.P. Wilding. Commercial Motor, 127 (24 May 68) p.72+. il.

MOTOR COACHES : **Buyers' guides**

British vehicles for the world: petrol and diesel passenger vehicles. Commercial Motor, 127 (3 May 68) p.158+

MOTOR COACHES : **Chassis**

A.E.C.: 800 Series V-eight diesel engine; new Sabre 12m coach, and the Mammoth Major and Mandator V-8 models. Automobile Engr., 58 (Oct 68) p.402-7. il.

AEC's V8 Sabre for high-speed touring. A.J.P. Wilding. Commercial Motor, 128 (6 Sep 68) p.62-3. il.

Bristol: V.R.T. chassis with transverse rear engine, and L.H. chassis now in production. Automobile Engr., 58 (Oct 68) p.414-6. il.

Luxury way to travel. Transport J., 27 (Sep 68) suppt. p.21-3. il.

Turbocharged Ford coaches. P. Kennett. Bus & Coach, 40 (Sep 68) p.290-2. il.

247 b.h.p. A.E.C. Sabre. A.A. Townsin. Bus & Coach, 40 (Sep 68) p.266-8. il.

MOTOR COACHES : **Diesel engines**

247 b.h.p. V8 for Leyland. A.A. Towsin. Bus & Coach, 40 (Jun 68) p.186-8. il.

MOTOR COACHES : **Industrial design**

Luxury coach facelift [Duple Viceroy] R. Carr. Design, (Sep 68) p.54-7. il.

MOTOR COACHES : **Operation**

Challenge to public transport. D.N. Dean. Commercial Motor, 126 (1 Dec 67) p.120-2. il.

Coach travel on trial. S. Buckley. Commercial Motor, 127 (12 Jul 68) p.56-8. il.

Independent operation [Bee Line Roadways Group, Middlesbrough] Transport J., 27 (Nov 68) p.46-7

Is the writing on the wall for small coach operators? [Grayline Coach & Taxi Hire Service, Clackmannan] D. Moses. Commercial Motor, 126 (22 Dec 67) p.39-41. il.

12-coach man expands in Europe [Oliver Taylor (Coaches) Ltd., Caterham, Surrey] M. Gill. Transport World (Nov 67) p.14-15. il.

MOTOR COACHES, **Operation—*cont.***

Take-it-easy tour with carefree appeal [Roy Grindle & Sons Ltd.]. Commercial Motor, 128 (15 Nov 68) p.44-5. il.

Where local knowledge counts [Porter Coaches, Dummer, Hampshire] Bus & Coach, 40 (Mar 68) p.68-71. il.

MOTOR COACHES : **Operation.. Belgium**

Look at the Low Countries. A.A. Townsin. Bus & Coach, 40 (Jul 68) p.204-7. il.

MOTOR COACHES : **Operation.. Great Britain**

Coaches and Mrs. Castle. P. Duncan. Bus & Coach, 40 (Feb 68) p.36-40. il.

MOTOR COACHES : **Operation.. Netherlands**

Look at the Low Countries. A.A. Townsin. Bus & Coach, 40 (Jul 68) p.204-7. il.

MOTOR COACHES : **Turning**

Design criteria for movement: geometric design for the maximum rigid design vehicle—12 metres. Official Architecture & Planning, 31 (Apr 68) p.559-60

MOTOR COACHES : **Washing**

Cleaning the vehicles. Transport World (Dec 67) p.25-6. il.

MOTOR CYCLES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Buyers' guides*

- Technical activities
    - *Manufactures*
    - *Maintenance*
    - *Conversions*
    - Riding
        - *Riders*

- *Parts*
    - *Brakes*
    - Transmissions
        - *Gearboxes*
        - *Gears*
    - *Carburettors*
    - *Engines*
    - Wheels
        - *Tyres*
    - Electrical equipment
        - *Batteries*
- *Accessories*

- *Types*
    - *Racing*

MOTOR CYCLES : **Accessories : Buyers' guides**

Goodies game: accessories on parade. Motor Cycle, 120 (22 May 68) p.11+. il.

MOTOR CYCLES : **Batteries**

Keeping the battery in business. J. Ebbrell. Motor Cycle, 120 (15 May 68) p.25

MOTOR CYCLES : **Brakes, Disc**

Growing interest. Motor Cycle, 120 (24 Jan 68) p.5. il.

MOTOR CYCLES : **Buyers' guides**

Take your pick: 1968 machines on parade. Motor Cycle, 120 (10 Apr 68) p.20-4. il.

MOTOR CYCLES : **Carburettors**

Happy medium in carburation. V. Willoughby. Motor Cycle, 120 (14 Feb 68) p.11+. il.

Moving jet carburettor [Gardner Carburettor Co., Burgess Hill, Sussex] Automotive Design Engng., 7 (Jun 68) p.65. il.

MOTOR CYCLES : Conversions

K11 comes to life. B. Currie. Motor Cycle, 120 (14 Aug 68) p.9. il.

Kevin Cass preparation formula. Motor Cycle, 120 (24 Jan 68) p.9. il.

998 cc Imp Special. Motor Cycle, 120 (18 Sep 68) p.12. il.

MOTOR CYCLES : Engines

Jap wrinkles. V. Willoughby. Motor Cycle, 120 (5 Jun 68) p.9-10. il.

MOTOR CYCLES : Engines : Compression ratio

Big squeeze. V. Willoughby. Motor Cycle, 120 (28 Feb 68) p 15+. il.

MOTOR CYCLES : Engines : Lubricating oils

Oils: those practical points. J. Ebbrell. Motor Cycle, 120 (3 Jan 68) p.29

MOTOR CYCLES : Engines : Lubricating oils : Pumps

Plunger or gear? V. Willoughby. Motor Cycle, 120 (18 Sep 68) p.17. il.

MOTOR CYCLES : Engines : Tuning : Equipment : Buyers' guides

Goodies game: accessories on parade. Motor Cycle, 120 (22 May 68) p.11+. il.

MOTOR CYCLES : Engines, Two stroke

Portrait of a power unit. B. Currie. Motor Cycle, 119 (20 Dec 67) p.9-10. il.

MOTOR CYCLES : Gearboxes, Six speed

How many gears make six? Motor Cycle, 120 (31 Jan 68) p.10

MOTOR CYCLES : Gears

How many cogs?: more on gearing. V. Willoughby. Motor Cycle, 120 (28 Aug 68) p.10. il.

Not too high—not too low: importance of a correct topgear ratio. V. Willoughby. Motor Cycle, 120 (14 Aug 68) p.15

MOTOR CYCLES : Maintenance

Check-up for a sick Suzuki. J. Ebbrell. Motor Cycle, 120 (24 Jan 68) p.15

MOTOR CYCLES : Manufactures .. Japan

Birth of an empire: history of Japanese motor cycling. W.B. Swim. Motor Cycle, 120 (3 Jan 68) p.7+. il.

MOTOR CYCLES : Parts ; Metals : Electroplating : Nickel—Chromium : Transfer machines

Glydo plant for electroplating B.S.A. motor cycle parts [B.S.A. Motor Cycles Ltd., Birmingham] Electroplating & Metal Finishing, 21 (Aug 68) p.269-70. il.

MOTOR CYCLES : Parts : Painting : Electrophoresis

Electropainting motor cycle parts for Norton-Villiers. Electroplating & Metal Finishing, 21 (Sep 68) p.303-4. il.

MOTOR CYCLES, Racing

246 cc Yamaha Daytona. Motor Cycle, 120 (24 Jul 68) p.7. il.

Colin Seeley's dynamic duo. D. Dixon. Motor Cycle, 120 (14 Feb 68) p.9-10. il.

Problem of braking. V. Willoughby. Motor Cycle, 120 (6 Mar 68) p.14. il.

Ruling the roost or how the speedway JAP has been developed for longer tracks than the quarter-mile dirt ovals for which it was designed [497 cc speedway JAP] V. Willoughby. Motor Cycle, 120 (17 Apr 68) p.9-10. il.

Sweden's versatile ohc [Hedlund] Motor Cycle, 120 (10 Apr 68) p.9. il.

Two-strokes have won—by default. V. Willoughby. Motor Cycle, 120 (26 Jun 68) p.7-8. il.

MOTOR CYCLES, Racing : Engines

Cut-price Manx-eater: Colin Lyster's 499 cc twin racing engine. V. Willoughby. Motor Cycle, 120 (24 Jan 68) p.12-13. il.

Don't trust a crystal ball. V. Willoughby. Motor Cycle, 119 (13 Dec 67) p.12-13. il.

Eso, the speedway engine with a bright future. V. Willoughby. Motor Cycle, 120 (10 Jul 68) p.5+. il.

MOTOR CYCLES, Racing : Engines : Maintenance

Preparation in the Cass manner. Motor Cycle, 120 (17 Jan 68) p.15+. il.

MOTOR CYCLES, Racing : Engines, Two stroke : Exhaust systems

Racing two-stroke exhaust systems. Design & Components in Engng. (29 Jul 68) p.16+. il.

MOTOR CYCLES, Racing : Noise

Noise from racing vehicles. R.D. Ford. J. of Sound & Vibration, 6 (Nov 67) p.296-301. il. refs.

MOTOR CYCLES : Riders : Clothing

Riding the storm. J. Ebbrell. Motor Cycle, 120 (18 Sep 68) p.25. il.

MOTOR CYCLES : Riders : Gloves; Leather : Waterproofing

Waterproofing of leathers for motor cyclists' gloves. P.M. Greenwood & R.G. Mitton. J. of Soc. of Leather Trades' Chemists, 52 (Apr 68) p.167-71. refs.

MOTOR CYCLES, Types, B.S.A.

Eight for the road, one for the outback. Motor Cycle, 120 (24 Apr 68) p.21. il.

Small Heath goes unified for 1969: latest from BSA. Motor Cycle, 120 (16 Oct 68) p.12-13. il.

What weight penalty? V. Willoughby. Motor Cycle, 120 (23 Oct 68) p.7-8. il.

MOTOR CYCLES, Types, B.S.A. A65T Thunderbolt : Road tests

654cc BSA A65T Thunderbolt. Motor Cycle, 120 (24 Apr 68) p.23-4. il.

MOTOR CYCLES, Types, B.S.A. Bantam

173 cc BSA Bantam. J. Ebbrell. Motor Cycle, 120 (6 Mar 68) p.7-8. il.

MOTOR CYCLES, Types, B.S.A. D14/4 Bantam : Road tests

173cc BSA Bantam D 14/4. Motor Cycle, 120 (24 Apr 68) p.25-6. il.

MOTOR CYCLES, Types, B.S.A. Gold Star : Conversions

Birth of a Derby winner. B. Currie. Motor Cycle, 120 (10 Jan 68) p.7-8. il.

MOTOR CYCLES, Types, B.S.A. Rocket 3

Three-pot roadburners: latest from BSA and Triumph. B. Currie. Motor Cycle, 120 (25 Sep 68) p.12-13. il.

MOTOR CYCLES, Types, B.S.A. Rocket 3 : Road tests

740 cc BSA Rocket 3. Motor Cycle, 120 (25 Sep 68) p.11-12. il.

MOTOR CYCLES, Types, Bridgestone GTR350

345 cc Bridgestone GTR350. Motor Cycle, 120 (27 Mar 68) p.9-10. il.

MOTOR CYCLES, Types, Bultaco El Bandido

Bandit from Barcelona. P. Fraser. Motor Cycle, 120 (14 Feb 68) p.7. il.

MOTOR CYCLES, Types, Ducati

249 cc overhead camshaft Ducati. J. Ebbrell. Motor Cycle, 120 (13 Nov 68) p.14-15. il.

MOTOR CYCLES, Types, Ducati Sebring

340 cc Ducati Sebring. Motor Cycle, 119 (20 Dec 67) p.7-8. il.

MOTOR CYCLES, Types, Greeves Challenger

Challenger with potential [250 cc Greeves Challenger] P. Fraser. Motor Cycle, 120 (8 May 68) p.7. il.

MOTOR CYCLES, Types, Honda

Honda '69: 125 roadster highlights wide range. Motor Cycle, 120 (28 Aug 68) p.13+. il.

MOTOR CYCLES, Types, Honda 125 Super Sport : Road tests

124 cc Honda Super Sport. Motor Cycle, 120 (28 Aug 68) p.21+. il.

MOTOR CYCLES, Types, Honda CB250 Super Sport

Honda's new-look 250 Sportster. Motor Cycle, 120 (20 Mar 68) p.11+. il.

MOTOR CYCLES, Types, Jawa : Road tests

249 cc Jawa. Motor Cycle, 120 (2 Oct 68) p.10. il.

MOTOR CYCLES, Types, Kawasaki : Conversions

Force-ten try-out [TSR Kawasakis] D. Dixon. Motor Cycle, 120 (15 May 68) p.11+. il.

MOTOR CYCLES, Types, Kawasaki A1 Samurai
247 cc Kawasaki A1 Samurai. Motor Cycle, 120 (13 Mar 68) p.9-10. il.

MOTOR CYCLES, Types, Norton
Norton for '69. Motor Cycle, 120 (11 Sep 68) p.9+. il.

MOTOR CYCLES, Types, Norton Commando
Commando Mods. Motor Cycle, 120 (27 Mar 68) p.7. il.
First time out on the Commando. P. Fraser. Motor Cycle, 120 (29 May 68) p.7-8. il.

MOTOR CYCLES, Types, Norton Commando : Conversions : Road tests
745 cc Norton Commando [Gus Kuhn Motors] Motor Cycle, 120 (13 Nov 68) p.7. il.

MOTOR CYCLES, Types, Norton Commando : Road tests
745 cc Norton Commando. Motor Cycle, 120 (11 Sep 68) p.13-15. il.

MOTOR CYCLES, Types, Puch M125
ISDT-bred 125 Puch. R. Beale. Motor Cycle, 120 (15 May 68) p.19. il.

MOTOR CYCLES, Types, Puch M125 : Road tests
ISDT gold medals were no accident. E. Leverkus. Motor Cycle, 120 (17 Jan 68) p.16. il.

MOTOR CYCLES, Types, Rudge : Conversions
Orriss and the Menace. V. Willoughby. Motor Cycle, 120 (3 Jan 68) p.9-10. il.

MOTOR CYCLES, Types, Suzuki
Cobra heads two-stroke programme. Motor Cycle, 120 (3 Apr 68) p.18-19. il.

MOTOR CYCLES, Types, Suzuki T500
Here's a roadburner—but it's civilised [Suzuki T500] D. Dixon. Motor Cycle, 120 (3 Apr 68) p.20-1. il.

MOTOR CYCLES, Types, Triumph
Six from Triumph. Motor Cycle, 120 (23 Oct 68) p.9-10. il.

MOTOR CYCLES, Types, Triumph Bonneville T120
649cc Triumph Bonneville T120. Motor Cycle, 120 (7 Feb 68) p.9-10. il.

MOTOR CYCLES, Types, Triumph T100T Daytona : Road tests
490 cc Triumph T100T Daytona. Motor Cycle, 120 (9 Oct 68) p.7-8. il.

MOTOR CYCLES, Types, Triumph Tiger T100 SS
490 cc Triumph Tiger 100 SS. B. Currie. Motor Cycle, 120 (29 May 68) p.23-4. il.

MOTOR CYCLES, Types, Triumph Trident
Three-pot roadburners: latest from BSA and Triumph. B. Currie. Motor Cycle, 120 (25 Sep 68) p.12-13. il.

MOTOR CYCLES, Types, Velocette Viper
Velocette Viper. J. Ebbrell. Motor Cycle, 119 (27 Dec 67) p.7-8. il.

MOTOR CYCLES, Types, Yamaha
Yamaha meet the challenge. Motor Cycle, 120 (23 Oct 68) p.15. il.

MOTOR CYCLES, Types, Yamaha : Road tests
Title-winning Yamahas. R. Robinson & D. Dixon. Motor Cycle, 120 (6 Nov 68) p.9. il.

MOTOR CYCLES, Types, Yamaha YAS1 : Road tests
124 cc YAS1 Yamaha. Motor Cycle, 120 (30 Oct 68) p.15. il.

MOTOR CYCLES, Types, Yamaha YDS5-port
Yamaha unveil new two-fifty. Motor Cycle, 120 (3 Apr 68) p.29. il.

MOTOR CYCLES : Tyres : Treads
Tyre treads: how to get a grip on them. J. Ebbrell. Motor Cycle, 120 (7 Feb 68) p.21. il.

MOTOR FUEL. See PETROL

MOTOR GRADERS : Earthwork. See EARTHWORK : Graders, Motor

MOTOR RESPONSE : Hearing. See HEARING : Motor response

MOTOR SHIPS. See SHIPS, Motor

MOTOR VEHICLES
Leyland/BMH: vehicles of all types. Engineering, 205 (26 Jan 68) p.136-7. il.

MOTOR VEHICLES
Related Headings:
- AMBULANCES
- FIRE ENGINES
- MOTOR CARS
- MOTOR COACHES
- MOTOR CYCLES
- VANS
- VEHICLES, Commercial

MOTOR VEHICLES–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Research*

- *Regulations*

- *Scale models*

- Problems
  - Safety
    - *Collisions*
  - *Skidding*
  - *Vibrations*
  - *Noise*
  - *Exhaust*
  - *Theft prevention*

- Technical activities
  - *Design*
  - *Manufactures*
    - Coating
      - *Paint*
  - *Maintenance*
  - *Testing*
    - *Road tests*
    - *Environmental testing*
  - Driving
    - *Drivers*
    - *Steering*

- Materials
  - *Steel*
  - *Plastics*

- *Parts*
  - *Spare parts*
  - Machinery
    - *Lubricating oils*
  - *Fasteners*
  - *Chassis*
  - *Brakes*
  - *Steering systems*
  - *Transmissions*
    - *Clutches*
    - *Gearboxes*
    - *Gears*
  - *Suspensions*
    - *Springs*
    - *Shock absorbers*
  - Wheels
    - *Tyres*
  - *Bodies*
    - *Underbodies*
    - *Doors*
  - *Carburettors*
  - *Engines*
    - *Diesel engines*
    - *Gas turbines*
  - *Exhaust manifolds*
    - *Radiators*

MOTOR VEHICLES–SUBHEADINGS–Synopsis–cont.

- *Electrical equipment*
  - *Alternators*
  - *Batteries*
  - *Headlights*
- Electronic equipment
  - *Semiconductors*
- *Signalling systems*
- *Safety belts*

Performance
- *Speed*
- *Acceleration*
- *Turning*
- *Stability*
- *Riding qualities*
- *Handling performance*

Types
- *Articulated*
- *Amphibious*
- *Aquaplaning*
- *Electric*
- *Steam*
- *Refrigerated*
- *Military*
- *Abandoned*
- *Scrap*

Ancillaries
- *Tractive units*
- *Trailers*
- *Service stations*

MOTOR VEHICLES, Abandoned : Disposal
Cars and dumps. Public Cleansing, 58 (Apr 68) p.186-90

MOTOR VEHICLES : Acceleration : Noise
Acceleration noise and traffic congestion. R.T. Underwood. Traffic Engng. & Control, 10 (Jul 68) p.120-3. refs.

MOTOR VEHICLES : Air pollution. See AIR POLLUTION : Motor vehicles

MOTOR VEHICLES : Alternators
Fully enclosed alternator with transistorized control [AC 203] P. Brockington. Commercial Motor, 128 (6 Sep 68) p.19+. il.

MOTOR VEHICLES, Amphibious
Dorothy pulls 20-ton on Japanese project [Ishikawajima-Harima Heavy Industries Co. Ltd.] Muck Shifter, 26 (Mar 68) p.49+. il.

MOTOR VEHICLES : Aquaplaning
Theoretical treatment of the aquaplaning tyre. R.J. Boness. Automobile Engr., 58 (Jun 68) p.260-4. il. refs.

MOTOR VEHICLES, Articulated
Articulated vehicles. Automobile Engr., 58 (Dec 68) p.504-6. il.
Engineering aspects of trailer operation. K.N. Buckby. J. & Proc. of Inst. of Road Transport Engrs., 22 (Sep 68) p.3+. il.

MOTOR VEHICLES, Articulated : Brakes : Anti-lock systems
Dunlop Maxaret Mark IIE. Automobile Engr., 58 (Dec 68) p.522-4. il.
Productionized stabiliser for artics. Automotive Design Engng., 7 (May 68) p.71. il.

MOTOR VEHICLES, Articulated : Brakes : Couplings
Mismatched brake couplings. P.A.C. Brockington. Commercial Motor, 126 (2 Feb 68) p.103+. il.

MOTOR VEHICLES, Articulated : Coupling : Regulations
This plan should bring order to trailer scene: information plates fixed to tractive units and semi-trailers provide the key to categorization system. R.D. Cater. Commercial Motor, 128 (25 Oct 68) p.52-4. il.

MOTOR VEHICLES, Articulated : Driving : Education
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World reactor progress schedules. Nuclear Engng., 13 (Mar 68) p.208-9

NUCLEAR REACTORS
Related Headings:
SUB-CRITICAL ASSEMBLIES

NUCLEAR REACTORS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

History

Particular countries
- *Great Britain*

NUCLEAR REACTORS–SUBHEADINGS–Synopsis–cont.

Research

Costs

Problems
- *Safety*
- *Wastes*

Physics
- *Neutrons*
- *Neutron diffusion*
- *Temperature*

Materials
- *Graphite*
- *Aluminium-Alumina*
- *Lead*

Components
- *Cores*
- *Tubes*
  - *Pressure tubes*
  - *Pressure vessels*
- *Moderators*
- *Fuel elements*
- *Control systems*
- *Control rods*

Fuels

Types of reactors
- By can, moderator or coolant material
  - *Magnox*
  - *Boiling water*
  - *Pressurised water*
  - *Graphite moderated*
  - *Water moderated*
  - *Heavy water moderated*
  - *Beryllia moderated*
  - *Beryllium moderated*
  - *Gas cooled*
  - *Helium cooled*
  - *Water cooled*
- *Fast*
- *Spherical*
- *Coupled core*
- *Training*

NUCLEAR REACTORS : Air pollution. See AIR POLLUTION : Nuclear reactors

NUCLEAR REACTORS : Aluminium–Alumina : Fretting

Control of fretting wear of sintered aluminium powder. C.P.L. Commissaris & A.W.J. de Gee. Instn. of Mechanical Engrs. Proc., 181 pt.3 O (1966-67) p.41-7. il. refs.

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Transient spectra in beryllium oxide. S.P. Tewari & S.K. Trikha. J. of Nuclear Energy, 22 (Sep 68) p.569-77. refs.

NUCLEAR REACTORS, **Beryllium moderated : Neutrons : Slowing down : Pulsed source technique**
Pulsed neutron measurements for beryllium in the range of large bucklings. A. Graffstein, T. Rzeszot & E. Warda. J. of Nuclear Energy, 22 (Jul 68) p.433-43. il. refs.

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Design features of KWL. K. Traube & S. Kombilcher. Nuclear Engng. International, 13 (Nov 68) p.930-3. il.
Ringhals [Swedish State Power Board] Nuclear Engng., 13 (Oct 68) p.838-9. il.

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Pumps for primary circuits. D. Born. Nuclear Engng., 12 (Dec 67) p.910-16. il. refs.

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BWR burn-out experiments. E. Rolstad & G. Kjaerheim. Nuclear Engng. International, 13 (Dec 68) p.1021-7. il. refs.

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NUCLEAR REACTORS, **Boiling water : Instruments**
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NUCLEAR REACTORS, **Boiling water : Start up**
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Dispersions of boron carbide with barrier layers in stainless steel. G. Arthur, R.G.J. Smith & M. Crossland. Powder Metallurgy, 11 (Spring 68) p.41-55. il. refs.

NUCLEAR REACTORS : **Control systems : Computers**
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Who will build America's fast breeder reactors? Engineering, 206 (20 Sep 68) p.415

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Incremental growth due to creep and plastic yielding of thin tubes subjected to internal pressure and cyclic thermal stresses. J. Bree. J. of Strain Analysis, 3 (Apr 68) p.122-7. refs.

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Sodium FBR programme [West Germany & Benelux] D. Faude & J. Seetzen. Nuclear Engng., 13 (Sep 68) p.750-2

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ALDEHYDES

ALGINATES

ALIPHATIC COMPOUNDS

ALKALOIDS

ALLENE ACETATES

ALLYL ALCOHOLS

AMINES

AMINO ACIDS

AMMONIUM SALTS, Quaternary

AZO COMPOUNDS

CARBODIIMIDES

CARBOHYDRATES

CARBONYLS

CARBOXAMIDES

CARBOXYLATES

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N-CHLOROAMIDES

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OXIDES, Molten : Reagents

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OXYGEN : Glow discharge, Self sustaining : Excitation : Malter–Paetow effect

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OXYGEN PROCESS, L.D.–A.C. : Steel production. See STEEL : Production : Oxygen process, L.D.–A.C.

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OXYGEN PROCESS : Steel production. See STEEL : Production : Oxygen process

OXYGEN–PROPANE : Flame cutting : Scrap steel : Steel production. See STEEL : Production : Scrap steel : Flame cutting : Propane–Oxygen

OXYGEN–ZIRCONIUM. See ZIRCONIUM–OXYGEN

OYSTERS : Fishing : Vessels : Conversion : Yachts. See YACHTS : Conversion : Oyster fishing vessels

OZONE : Determination : Air–Nitrogen dioxide. See AIR–NITROGEN DIOXIDE : Determination of ozone

OZONE : Determination : Atmosphere. See ATMOSPHERE : Determination of ozone

OZONE : Distribution : Atmosphere. See ATMOSPHERE : Ozone distribution

OZONE : Effluents treatment : Sewage treatment. See SEWAGE : Treatment : Effluents : Treatment : Ozone

OZONE : Embrittlement : Rubber. See RUBBER : Embrittlement : Ozone

OZONE : Oxidation : Lanthanum separation : Acid solutions : Rare earth compounds. See RARE EARTH COMPOUNDS : Acid solutions : Lanthanum separation : Oxidation : Ozone

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P.E.R.A.. See PRODUCTION ENGINEERING RESEARCH ASSOCIATION

P.E.R.T. : Underground railway construction. See RAILWAYS, Underground : Construction : P.E.R.T.

p-i-n DIODES. See DIODES, p-i-n

P.L./1. : Languages : Programs : Computers. See COMPUTERS : Programs : Languages : P.L./1

p-n JUNCTIONS : Semiconductors : Silicon. See SILICON : Semiconductors : p-n junctions

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P.T.F.E.; Coatings. See COATINGS; P.T.F.E.

P.T.F.E., Film. See FILM; P.T.F.E.

P.T.F.E.; Hoses : Vertical plate freezers : Refrigerated trawlers. See TRAWLERS, Refrigerated : Freezers, Plate, Vertical : Hoses; P.T.F.E.

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p-TYPE CADMIUM–LEAD–TELLURIUM. See CADMIUM–LEAD–TELLURIUM, p-type

p-TYPE SILICON SEMICONDUCTORS. See SILICON : Semiconductors, p-type

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P.V.C.; Cables : Telephony. See TELEPHONY : Cables; P.V.C.

P.V.C., Chlorinated; Pipes. See PIPES; P.V.C., Chlorinated

P.V.C. : Cladding : Synagogues. See SYNAGOGUES : Cladding : P.V.C.

P.V.C.: Coated steel sheets : Panels : Buildings. See BUILDINGS : Panels : Sheets; Steel,, Coated : P.V.C.

P.V.C. : Coated uppers : Footwear. See FOOTWEAR : Uppers, Coated : P.V.C.

P.V.C; Coatings : Metals; Sheets. See SHEETS; Metals : Coatings; P.V.C.

P.V.C.; Coatings : Steel. See STEEL : Coatings; P.V.C.

P.V.C.; Coatings : Steel; Sheets : Linings : Tunnels. See TUNNELS : Linings : Sheets; Steel : Coatings; P.V.C.

P.V.C.; Containers : Food. See FOOD : Containers; P.V.C.

P.V.C. : Copolymers; Temporary coatings : Plastics manufactures machines. See PLASTICS : Manufactures : Machines : Coatings, Temporary; P.V.C. copolymers

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P.V.C.; Footwear. See FOOTWEAR; P.V.C.

P.V.C.; Head boxes : Papermaking machines. See PAPERMAKING : Machines : Head boxes; P.V.C.

P.V.C.; Linings : Reservoirs. See RESERVOIRS : Linings; P.V.C.

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P.V.C., Reinforced; Ducts : Extraction : Fumes : Steel production. See STEEL : Production : Fumes : Extraction : Ducts; P.V.C., Reinforced

P.V.C., Reinforced; Hoses. See HOSES; P.V.C., Reinforced

P.V.C., Rigid; Containers. See CONTAINERS; P.V.C., Rigid

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P.V.C.; Uppers : Shoes. See SHOES : Uppers; P.V.C.

P.V.C.–ACRYLONITRILE-BUTADIENE-STYRENE. See ACRYLONITRILE-BUTADIENE-STYRENE–P.V.C.

P.V.C.–ALUMINIUM ALLOYS; Sandwich panels : Heating : Floors : Cabins : Aircraft. See AIRCRAFT : Cabins : Floors : Heating : Panels, Sandwich; Aluminium alloys–P.V.C.

P.V.C. COATED METALS; Sheets. See SHEETS; Metals, Coated : P.V.C.

P.V.C.–PLASTICS, Reinforced; Chemical engineering plant. See CHEMICAL ENGINEERING : Plant; P.V.C.–Plastics, Reinforced

P.V.C.–POLYVINYLIDENE CHLORIDE; Film : Vacuum packaging : Meat. See MEAT : Packaging, Vacuum : Film; P.V.C.–Polyvinylidene chloride

P.V.C.–POLYVINYLIDENE CHLORIDE–PAPER; Bottles : Beer. See BEER : Bottles; Paper–P.V.C.–Polyvinylidene chloride

P.V.C.–POLYVINYLIDENE CHLORIDE–PAPER; Bottles : Soft drinks. See DRINKS, Soft : Bottles; Paper–P.V.C.–Polyvinylidene chloride

P.V.C.–STEEL; Laminates. See LAMINATES; P.V.C.–Steel

P.V.F.; Film. See FILM; P.V.F.

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Role of PATA (summary) M. Plake. Aeroplane, 115 (22 May 68) p.7-9

PACIFIC OCEAN

See

AIR TRANSPORT.. Pacific Ocean

PACKAGED BOILERS. See BOILERS, Packaged

PACKAGED DEALS : Building. See BUILDING : Contracts : Packaged deals

PACKAGED STEAM TURBINES : Tankers : Ships. See TANKERS : Ships : Steam turbines, Packaged

PACKAGES : Wool; Yarns. See YARNS; Wool : Packages

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PACKAGING

Related Headings:

- BOTTLING
- CANNING
- CONTAINERS
- ENCAPSULATION
- ETHYLENE-VINYL ACETATE : Packaging materials
- FILM; P.V.C. : Packaging materials
- FILM; Plastics : Packaging materials
- FILM; Polymers,, Shrinkable : Packaging
- FILM; Thermoplastics, Shrinkable : Packaging materials
- FOIL; Aluminium, Heat sealed : Packaging materials
- FOIL; Aluminium : Packaging

PACKAGING

Related Headings–*cont.*

- FOOD : Labels
- LABELS
- LAMINATES : Foil; Aluminium : Packaging
- LUGGAGE
- PAPER, Extensible : Packaging materials
- PAPER, Kraft : Packaging materials
- PARCELS
- PLASTICS : Packaging materials
- POLYPROPYLENE : Packaging materials
- POLYSTYRENE, Expanded : Packaging materials
- POLYTHENE, Expanded : Packaging
- POLYTHENE : Packaging materials

PACKAGING–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Particular countries
    France

Plant & Equipment
    Machines
    Control systems

Processes
    Design
    Cushioning
    Labelling
    Strapping

Materials
    Papers

Types of package
    Cases
    Tubes
    Skin
    Tray loading

PACKAGING : Aerosols. See AEROSOLS : Packaging

PACKAGING : Bricks. See BRICKS : Packaging

PACKAGING : Cans : Food. See FOOD : Cans : Packaging

PACKAGING : Cases; Fibre board : Codes, International

International fibreboard case code [FEFCO] Packaging, 39 (Aug 68) p.47+. il.

PACKAGING : Cases; Fibre board, Corrugated

'Nordican' high grade corrugating medium. Packaging, 39 (Sep 68) p.42-3. il.

PACKAGING : Cases; Fibre board, Corrugated : Coatings; Paraffin wax–Polymers

Hot melt coatings bring new scope to corrugated. Packaging Rev., 88 (May 68) p.6-9. il.

PACKAGING : Cases; Fibre board, Corrugated : Coatings; Paraffin wax–Polymers : Machines

Steinemann curtain-coater installed at Reed Corrugated Cases. Packaging, 39 (Oct 68) p.30+. il.

PACKAGING : Cases; Fibre board, Corrugated : Coatings; Paraffin wax–Vinyl polymers

Hot-melt coatings for corrugated board [Elvax: Du Pont International] D.J. Wilkins. Packaging, 39 (Feb 68) p.65-6

PACKAGING : Cases; Fibre board : Gluing

British-built folder-gluer for corrugated and solid fibreboard [Soag 'Husky'] Packaging, 38 (Dec 67) p.43-4. il.

PACKAGING : Containers. See CONTAINERS :

PACKAGING : Control systems
Control in packaging. Food Processing & Marketing, 37 (Sep 68) p.347-50. il.

PACKAGING : Cosmetics. See COSMETICS : Packaging

PACKAGING : Crabs. See CRABS : Packaging

PACKAGING : Cushioning : Plastics, Expanded
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PACKAGING : Cushioning : Polythene, Expanded
Cushion-packaging design—scientific approach to the use of polyethylene foam [Ethafoam: Dow Chemical] R. Wyss. Packaging, 39 (Jan 68) p.27+. il.

PACKAGING : Dairy industry products. See DAIRY INDUSTRY : Products : Packaging

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Review of current packaging design. J. Stone. Canning & Packing, 38 (Nov 68) p.12-13. il.
Selling the pack. J. Stone. Canning & Packing, 38 (Jun 68) p.12-13. il.
Selling the pack: review of current packaging design. J. Stone. Canning & Packing, 38 (Jan 68) p.12-13. il.
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Selling the pack: review of current packaging design. J. Stone. Canning & Packing, 38 (Oct 68) p.12-13

PACKAGING : Design : Consultants
THM package-design consultancy service [Tandy, Halford & Mills] Packaging, 39 (May 68) p.56+. il.

PACKAGING : Design.. North America
Packaging in North America. F.T. Day. Canning & Packing, 38 (Nov 68) p.10

PACKAGING : Drugs. See DRUGS : Packaging

PACKAGING : Electrical equipment. See ELECTRICAL EQUIPMENT : Packaging

PACKAGING : Fish. See FISH : Packaging

PACKAGING : Food. See FOOD : Packaging

PACKAGING.. France
French packaging revolution. M. Pochna. Packaging Rev., 88 (Nov 68) p.62+. il.

PACKAGING : Frozen fish. See FISH, Frozen : Packaging

PACKAGING : Frozen food. See FOOD, Frozen : Packaging

PACKAGING : Frozen food : Tankers : Ships. See TANKERS Ships : Food, Frozen : Packaging

PACKAGING : Fruit. See FRUIT : Packaging

PACKAGING : Granulated crude rubber. See RUBBER, Crude,, Granulated : Packaging

PACKAGING : Granulated sugar. See SUGAR, Granulated : Packaging

PACKAGING : Industrial clothing. See CLOTHING, Industrial: Packaging

PACKAGING : Instruments. See INSTRUMENTS : Packaging

PACKAGING : Kitchenware. See KITCHENWARE : Packaging

PACKAGING : Labelling : Machines
Morgan Fairest present a full range of labelling machines. Packaging, 39 (May 68) p.96-7. il.

PACKAGING : Liquids. See LIQUIDS : Packaging

PACKAGING : Liquids; Food. See FOOD; Liquids : Packaging

PACKAGING : Lubricating oils : Motor vehicles. See MOTOR VEHICLES : Lubricating oils : Packaging

PACKAGING : Machinery components. See MACHINERY : Components : Packaging

PACKAGING : Machines
'Cosmec' range of form-fill-seal machines [Wix of London] Packaging, 39 (Aug 68) p.34-6. il.
New developments from Mardon Son & Hall Limited. Packaging, 39 (May 68) p.73+. il.
New principle wrapping or overwrapping machine [Packaging Plant Ltd.] Packaging, 38 (Dec 67) p.40-1. il.

PACKAGING : Materials : Coating
Techniques of coating & laminating papers, foils & films [Polytype Ltd, Fribourg, Switzerland] J. Bangerter. Packaging, 39 (Nov 68) p.102+

PACKAGING : Materials : Cutting : Blades; Steel
Ever-Ready 'Personna' industrial blades. Packaging, 39 (Aug 68) p.30-1. il.

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Survey of laminating techniques. Packaging, 39 (Oct 68) p.57+
Techniques of coating & laminating papers, foils & films [Polytype Ltd, Fribourg, Switzerland] J. Bangerter. Packaging, 39 (Nov 68) p.102+

PACKAGING : Materials : Printing : Inks
Specifically about ink. E.A. Apps. Paint Technology, 32 (Mar 68) p.70-1

PACKAGING : Materials : Printing, Photogravure,, Electrostatic
Electrostatic gravure gets its packaging trials [Meliostat-260 : Crosfield Electronics] Packaging Rev., 88 (Mar 68) p.22-3. il.

PACKAGING : Materials : Printing, Photogravure : Machines, Rotary
Ten-colour gravure press for export [Masson Scott Thrissell] Packaging, 39 (Sep 68) p.103

PACKAGING : Meat. See MEAT : Packaging

PACKAGING : Meat pies. See MEAT : Pies : Packaging

PACKAGING : Microminiature electronic circuits. See CIRCUITS, Electronic,, Microminiature : Packaging

PACKAGING : Milk. See MILK : Packaging

PACKAGING : Papers : Coating
Smith & McLaurin specialised paper-converters. Packaging, 39 (Jan 68) p.71-5. il.

PACKAGING : Papers, Grease resistant
Related Headings:
GLASSINE

PACKAGING : Papers : Printing : Quality control
Quality control standards reduce spoilage at packaging plant [Austin Packaging Ltd.] Brit. Printer, 81 (Mar 68) p.96+. il.

PACKAGING : Peaches. See PEACHES : Packaging

PACKAGING : Perfumes. See PERFUMES : Packaging

PACKAGING : Petroleum products. See PETROLEUM : Products : Packaging

PACKAGING : Photographic materials. See PHOTOGRAPHY : Materials : Packaging

PACKAGING : Poultry. See POULTRY : Packaging

PACKAGING : Powders : Cosmetics. See COSMETICS : Powders : Packaging

PACKAGING, Skin : Machines
New Illig range of skin packaging equipment [Adolf Illig, Heilbronn] A.F. Upton. Rubber & Plastics Age, 49 (Apr 68) p.337. il.

PACKAGING, Skin : Toys. See TOYS : Packaging, Skin

PACKAGING : Steel; Wires. See WIRES; Steel : Packaging

PACKAGING : Stockings. See STOCKINGS : Packaging

PACKAGING : Strapping : Steel
Versatile strapping method [Darnaband: Hayden-Nilos Ltd.] Design & Components in Engng. (11 Mar 68) p.14. il.

PACKAGING : Strapping : Tape
Progress in strapping tapes (contd.) F.T. Day. Canning & Packing, 38 (Feb 68) p.10

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Fully automatic 'Dymax' tension-weld strapping machine. Packaging, 39 (Jan 68) p.93-4. il.
New power-strapping machine [Signode Ltd. MD 300] Work Study, 17 (Feb 68) p.34

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Progress in strapping tapes [Starstrap] F.T. Day. Canning & Packing, 38 (Jan 68) p.9

PACKAGING, Strip : Tablets : Drugs. See DRUGS : Tablets : Packaging, Strip

PACKAGING : Tea. See TEA : Packaging

PACKAGING : Tray loading : Film; Thermoplastics,, Shrinkable
Kisters 'Sapa' integrated shrink-wrapping system. Packaging, 39 (Feb 68) p.61-3. il.

PACKAGING : Tubes; P.V.C.,, Shrinkable
PVC heat-shrink tubing. Packaging, 39 (Jun 68) p.68-9

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Nuclear methods of width control in layflat tube production. A. Kemper & P. Platzek. British Plastics, 41 (Jun 68) p.115+. il.

PACKAGING, Vacuum : Bacon. See BACON : Packaging, Vacuum

PACKAGING, Vacuum : Food. See FOOD : Packaging, Vacuum

PACKAGING, Vacuum : Meat. See MEAT : Packaging, Vacuum

PACKAGING : Vegetables. See VEGETABLES : Packaging

PACKED BEDS : Absorption. See ABSORPTION : Packed beds

PACKED BEDS : Airflow : Mass transfer : Effect of solvents
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PACKED BEDS : Liquid hold up
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PACKED BEDS : Packing : Grids : Flow : Studies : Electrolysis
Electrochemical investigation of the hydrodynamics of liquid films on grid packings. T.K. Ross, D.U. Campbell & A.A. Wragg. Trans. of Instn. of Chemical Engrs., 45 (Dec 67) p.T401-7. il. refs.

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PACKED BUBBLE COLUMNS. See BUBBLE COLUMNS, Packed

PACKED COLUMNS : Airflow. See AIRFLOW : Packed columns

PACKED COLUMNS : Ammonia absorption : Water. See WATER : Ammonia absorption : Packed columns

PACKED COLUMNS : Distillation. See DISTILLATION : Columns, Packed

PACKED COLUMNS : Hydrogen chloride absorption : Water. See WATER : Hydrogen chloride absorption : Packed columns

PACKED COLUMNS : Isobutene absorption : Sulphuric acid. See SULPHURIC ACID : Isobutene absorption : Columns, Packed

PACKED COLUMNS : Liquid distribution : Equations
Liquid distribution in packed columns. E. Dutkai & E. Ruckenstein. Chemical Engng. Science, 23 (Nov 68) p.1365-73. il. refs.

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PACKED COLUMNS : Oxygen absorption : Aqueous solutions : Sodium hydrosulphite. See SODIUM HYDROSULPHITE : Aqueous solutions : Oxygen absorption : Columns, Packed

PACKED COLUMNS : Packing : Grids : Flow : Studies : Electrolysis
Electrochemical investigation of the hydrodynamics of liquid films on grid packings. T.K. Ross, D.U. Campbell & A.A. Wragg. Trans. of Instn. of Chemical Engrs., 45 (Dec 67) p.T401-7. il. refs.

PACKED COUNTERCURRENT COLUMNS : Absorption. See ABSORPTION : Columns, Countercurrent,, Packed

PACKING : Packed beds. See PACKED BEDS : Packing

PACKING : Packed columns. See PACKED COLUMNS : Packing

PACKING, Random : Plastics; Spheres. See SPHERES; Plastics : Packing, Random

PACKING, Random : Spheres. See SPHERES : Packing, Random

PACKING, Random : Spheres : Packed beds. See PACKED BEDS : Spheres : Packing, Random

PACKINGS : Columns : Distillation. See DISTILLATION : Columns : Packings

PACKINGS : Glands : Pumps : Feedwater : Boilers. See BOILERS : Feedwater : Pumps : Glands : Packings

PACKINGS : Glands : Pumps : Water. See WATER : Pumps : Glands : Packings

PACKINGS; Plastics : Filtration : Sewage treatment. See SEWAGE : Treatment : Filtration : Packings; Plastics

PACKS : Meals. See MEALS : Packs

PAD–BATCH METHOD : Procion : Dyeing : Wool; Fabrics. See FABRICS; Wool : Dyeing : Procion : Pad–Batch method

PAD–STEAM METHOD : Hydrogen peroxide : Bleaching : Wool. See WOOL : Bleaching : Hydrogen peroxide : Pad–Steam method

PADDING : Disperse dyes : Dyeing : Nylon; Fabrics. See FABRICS; Nylon : Dyeing : Dyes, Disperse : Padding

PADDING : Dyeing : Cellulosic fabrics. See FABRICS; Cellulosic : Dyeing : Padding

PADDING : Dyeing : Cellulosic fibres–Polyester fibres; Fabrics. See FABRICS; Cellulosic–Polyester fibres : Dyeing : Padding

PADDING : Dyeing : Nylon; Fabrics. See FABRICS; Nylon : Dyeing : Padding

PADDING : Dyeing : Textiles. See TEXTILES : Dyeing :

PADDING : Dyeing : Tufted carpets. See CARPETS, Tufted : Dyeing : Padding

PADDING : Dyeing : Warp knit man made fibres fabrics. See FABRICS; Man made fibres,, Warp knit : Dyeing : Padding

PADDING : Dyeing : Warp knit nylon fabrics. See FABRICS; Nylon,, Knitted, Warp : Dyeing : Padding

PADDING : Dyeing : Wool. See WOOL : Dyeing : Padding

PADDING : Dyeing : Wool; Slivers. See SLIVERS; Wool : Dyeing : Padding

PADDING : Dyeing : Wool; Yarns. See YARNS; Wool : Dyeing : Padding

PADDINGTON
See
- FLYOVERS.. Westminster.. Paddington
- HOUSING.. Westminster.. Paddington

PADDLE BELTS : Propulsion : Ships. See SHIPS : Propulsion : Paddle belts

PADS, Adhesive : Trapping : Debris : Aircraft engineering. See AIRCRAFT : Engineering : Debris : Trapping : Pads, Adhesive

PADS; Rubber : Rails : Permanent way. See PERMANENT Way : Rails : Pads; Rubber

PAGES (Books) Watermarks : Radiography : Beta radiation
Beta radiography and paper research. A.H. Stevenson. Paper Maker, 155 (Jan 68) p.60-2

PAINT
Development of organic finishes—now and in the future. D. Pountain. Metal Finishing J., 14 (May 68) p.154-7. il.
Paint evaluation. D.H. Lessels. Painting & Decorating, 88 (May 68) p.20-4

PAINT
Related Headings:
ANTI-FOULING COMPOSITIONS

PAINT–SUBHEADINGS–Synopsis
This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Research*

- *Technical literature*

- Properties
  - *Hardness*
  - *Durability*
  - *Weathering*
  - Viscosity
    - *Viscometers*
  - *Gloss*
  - *Flammability*
    - *Flash points*

- Problems
  - *Toxicity*
  - *Stains*
  - *Flaking*

- Technical activities
  - *Colour matching*
  - *Manufactures*
    - *Formulation*
    - *Mixing*
    - Separation
      - *Filters*
  - Application
    - *Spraying*
  - *Stoving*
  - Storage
    - *Cans*

PAINT–SUBHEADINGS–*Synopsis*

- Materials
  - *Pigments*
  - *Water absorbents*
  - *Solvents*

- Types
  - By property
    - *White*
  - By vehicle or pigment
    - Organic
      - Plastics
        - *Alkyd resin*
        - *Epoxy esters*
        - *Silicones*
        - *Emulsion*
    - Inorganic
      - *Titanium dioxide*
  - By purpose
    - *Priming*
    - *Fungicidal*
    - *Fire retardant*

PAINT; Acrylic : Steel; Household appliances. See HOUSEHOLD APPLIANCES; Steel : Paint; Acrylic

PAINT : Agricultural vehicles components. See AGRICULTURAL VEHICLES : Components : Paint

PAINT : Aircraft. See AIRCRAFT : Paint

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Laboratory preparation and properties of alkyd resin films. E.M. Kinsella & J.E.O. Mayne. J. of Oil & Colour Chemists' Ass., 51 (Sep 68) p.816-23. refs.

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Adsorption of water vapour, stearic acid, stearyl alcohol and stearic acid modified alkyd resins on to rutile titanium dioxide pigments. T. Doorgeest. J. of Oil & Colour Chemists' Ass., 50 (Dec 67) p.1079-114. refs.

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PAINT; Alkyd resins–Amino resins : Aluminium; Cladding : Buildings. See BUILDINGS : Cladding; Aluminium : Paint; Alkyd resins–Amino resins

PAINT : Bodies : Motor cars. See MOTOR CARS : Bodies : Paint

PAINT : Bodies : Motor vehicles. See MOTOR VEHICLES : Bodies : Paint

PAINT : Building equipment. See BUILDING : Equipment : Paint

PAINT : Building equipment components. See BUILDING : Equipment : Components : Paint

PAINT : Buildings. See BUILDINGS : Paint

PAINT : Cans : Storage : Mechanical handling : Equipment
Bin carousels speed selection and eliminate middlemen [Sherwin-Williams' Newark, N.J.] Mechanical Handling, 55 (Mar 68) p.330-1. il.

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PAINT : Collapsible columns : Steering wheels : Motor cars. See MOTOR CARS : Steering wheels : Columns, Collapsible :

PAINT : Colour matching : Computers

Colour-matching by computer [Pinchin Johnson & Associates] Brit. Printer, 81 (Aug 68) p.56-7. il.

PAINT : Columns : Steering wheels : Motor cars. See MOTOR CARS : Steering wheels : Columns : Paint

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PAINT; Epoxy resins : Steel; Hulls. See HULLS; Steel : Paint; Epoxy resins

PAINT; Epoxy resins : Tanks : Tankers : Ships. See TANKERS : Ships : Tanks : Paint; Epoxy resins

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PAINT : Mixing : Equipment
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PAINT : Pigments : Dispersion : Equipment
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PAINTED METALS. See METALS, Painted

PAINTED STEEL. See STEEL, Painted

PAINTED WOOD. See WOOD, Painted

PAINTING

Related Headings:

DIPPING

PAINTING : Aircraft. See AIRCRAFT : Painting

PAINTING : Bodies : Commercial vehicles. See VEHICLES, Commercial : Bodies : Painting

PAINTING : Bodies : Motor cars. See MOTOR CARS : Bodies : Painting

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PAINTING : Steel. See STEEL : Painting

PAINTING : Steel; Bridges. See BRIDGES; Steel : Painting

PAINTING : Steel; Plates : Ships. See SHIPS : Plates; Steel : Painting

PAINTING : Steel; Platforms : Off shore drilling. See OFF SHORE DRILLING : Platforms; Steel : Painting

PAINTING : Steel; Structures. See STRUCTURES; Steel : Painting

PAINTING : Wheels : Lorries. See LORRIES : Wheels : Painting

PAINTING : Wheels : Motor cars. See MOTOR CARS : Wheels : Painting

PAISLEY

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CIVIC CENTRES.. Paisley

PAKISTAN

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AIRPORTS.. Pakistan

DAMS.. Mangla

DAMS.. Tarbela

DAMS.. West Pakistan

JUTE : Industry.. East Pakistan

RAILWAYS : Electrification : Consultants.. West Pakistan

RAILWAYS : Electrification.. West Pakistan

RAILWAYS.. West Pakistan

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PALLETS : Retail shops. See SHOPS, Retail : Pallets

PALLETS : Stacking

Pallet stacking patters [Bambergers Pallets & Cases Ltd.] Packaging, 39 (Feb 68) p.68-70

PALLETS : Tomatoes. See TOMATOES : Pallets

PALLETS : Transport : Commercial vehicles

Unit load's impact on vehicle turnround. Mechanical Handling, 54 (Dec 67) p.516-17. il.

PALLETS : Warehouses

Easing the bottlenecks of wholesale stock management. Mechanical Handling, 54 (Dec 67) p.514-15. il.

PALLETS : Warehouses : Storage : Scale model components : Motor vehicles. See MOTOR VEHICLES : Scale models : Components : Storage : Warehouses : Pallets

PALMITIC ACID : Reaction with alkoxysilanes : Acyloxysilanes water repellent finishes production : Cotton; Fabrics. See FABRICS; Cotton : Finishes, Water repellent; Acyloxysilanes : Production : Alkoxysilanes : Reaction with palmitic acid

PALMS : Oil : Plantations : Machinery.. Nigeria

Mechanising field maintenance on smallholders and farm settlements. R.D. Sheldrick & J.M.A. Sly. World Crops, 20 (Jun 68) p.35-8. il. refs.

PANELS : Bodies : Motor cars. See MOTOR CARS : Bodies : Panels

PANELS (Buildings) Bricks,, Prefabricated : Manufactures

System of vertical casting of brick panels. D. Foster & R.T. Laird. Trans. of Brit. Ceramic Soc., 67 (Jun 68) p.221-31. il.

PANELS (Buildings) Concrete : Casting : Factories

Thamesmead: factory for multi-million pound housing development completed. Master Builders' J., 13 (Mar 68) p.46-7. il.

PANELS (Buildings) Concrete : Casting : Moulds, Battery

Battery-cast cladding panels. C.N. Craig. Building, 213 (24 Nov 67) p.171+. il.

Ganged vibration for battery-cast pannels [Building Research Station] C.N. Craig. Building, 213 (8 Dec 67) p.143-4. il.

Swiss experience with welded concrete panels [Igeco Co.] Industrialised Building, 5 (Jun 68) p.6-8. il.

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Sculptured concrete panels. Industrialised Building, 5 (Apr 68) p.44-5. il.

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Measurement of transmission loss using vibration transducers. W.A. Utley & K.A. Mulholland. J. of Sound & Vibration, 6 (Nov 67) p.419-23. il. refs.

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Are G.R.P. cladding panels "oversold"? E.L. French. Reinforced Plastics, 12 (Oct 67) p.47-48.

PANELS (Buildings) Polyesters, Chlorinated–Glass fibre, Flame resistant

Permanent fire retardance in polyester panels for high rise buildings [Het-based polyester] Applied Plastics, 11 (Aug 68) p.38

PANELS (Buildings) Sandwich; Balsawood–Plastics, Reinforced : Glass fibre

Use of balsa wood with reinforced plastics. J. Kohn & A. Lippay. Reinforced Plastics, 12 (Nov 67) p.79-81. il.

PANELS (Buildings) Sandwich; Plastics, Reinforced : Glass fibre

Mass produced wall components [Indulex Engineering Ltd.] D. Draper. Industrialised Building, 5 (Jun 68) p.39+. il.

PANELS (Buildings) Sandwich; Plastics, Reinforced : Glass fibre : Manufactures

Rapid production of building panels [Indulex Engineering Co. Ltd.] Machinery Lloyd (European ed.) 40 (Apr 68) p.19. il.

PANELS (Buildings) Sandwich; Polyurethane, Expanded,, Rigid

Rigid urethane building panels. Rubber & Plastics Age, 49 (Jul 68) p.635+. il.

PANELS (Buildings) Sandwich; Polyurethane, Expanded,, Rigid : Laminating

Continuous manufacture of laminated insulating board from rigid PU foam. K.J. Kraft. Applied Plastics, 11 (Feb 68) p.22+. il. refs.

PANELS (Buildings) Sheets; Steel : Coated : P.V.C

Comprehensive cladding method [Pressings & Stampings Ltd.] Industrialised Building, 5 (Mar 68) p.22+. il.

PANELS; Concrete : Housing : Old people. See HOUSING : Old people : Panels; Concrete

PANELS; Concrete : Prefabricated buildings. See BUILDINGS, Prefabricated : Panels; Concrete

PANELS; Concrete : Tall buildings. See BUILDINGS, Tall : Panels; Concrete

PANELS, Curved,, Rectangular : Vibrations

Free vibrations of rectangular curved panels. J.J. Webster. International J. of Mechanical Sciences, 10 (Jul 68) p.571-82. il. refs.

PANELS (Farm buildings) Sandwich; Stainless steel–Expanded polyurethane

New materials herald structural building panels [ICI Purlboard] P.A. Slann. Farm Mechanization & Buildings, 20 (May 68) p.48-9

PANELS (Flats) Concrete : Casting : Moulds, Battery

Battery-cast cladding panels. Concrete, 2 (Jun 68) p.238. il.

PANELS (Flats) Concrete : Joints : Sealants
Sealants to the rescue. Master Builders' J., 13 (Feb 68) p.26-7. il.

PANELS (Flats) Plastics, Reinforced
Tower block clad in plastic panels. J. Davidson. Municipal J., 76 (20 Sep 68) p.2305. il.

PANELS (Instruments) Layout : Ergonomics
Ergonomics of panel layout. J. Spencer. Measurement & Control, (Apr 68) p.145-8. il.

PANELS (Refrigerators) Aluminium–Zinc : Bonding, Diffusion
Z bond. Aluminium Courier (Jun 68) p.8-10 il.

PANELS, Sandwich : Chassis : Motor cars. See MOTOR CARS : Chassis : Panels, Sandwich

PANELS, Sandwich : Heating : Floors : Cabins : Aircraft. See AIRCRAFT : Cabins : Floors : Heating : Panels, Sandwich

PANELS, Sandwich : Hulls : Trawlers : Shrimps. See SHRIMPS : Trawlers : Hulls : Panels, Sandwich

PANELS, Sandwich : Structures : Supersonic aircraft. See AIRCRAFT, Supersonic : Structures : Panels, Sandwich

PANELS, Stiffened : Buckling : Compression
Unified approach to the initial buckling of stiffened panels in compression. W.H. Wittrick. Aeronautical Q., 19 (Aug 68) p.265-83. il. ref.

PANORAMIC CAMERAS. See CAMERAS, Panoramic

PANS : Coating : Tablets : Drugs. See DRUGS : Tablets : Coating : Pans

PANTOGRAPHS : Diamond grinding. See DIAMOND GRINDING : Pantographs

PANTOGRAPHS : Overhead power transmission lines : Electric railways. See RAILWAYS, Electric : Power transmission lines, Overhead : Pantographs

PAPAIN
Structure of papain. J. Drenth, J.N. Jansonius, R. Koekoek, H.M. Swen & B.G. Wolthers. Nature, 218 (8 Jun 68) p.929-32. il. refs.

PAPER
Speciality papers. G. Mawdsley. Brit. Ink Maker, 10 (May 68) p.135+. il.

PAPER
Related Headings:
- NEWSPRINT
- STATIONERY
- WALLPAPERS

PAPER–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Properties
  - *Basis weight*
  - Strength
    - *Burst testing*
  - *Sulphur dioxide adsorption*

- Technical activities
  - *Measurements*
  - *Inspection*
  - *Testing*
  - *Conditioning*
  - *Converting*
  - *Finishing*
  - *Coating*
    - *Coatings*
  - Winding
    - *Web tension*
  - *Cutting*
  - *Embossing*

PAPER–SUBHEADINGS–*Synopsis–cont.*

  - Counting
    - *Counters*

- *Waste*

- Types of paper
  - *Coated*
  - *Reinforced*
  - *Extensible*
  - *Fluted*
  - *Tissue*
  - *No carbon required*
  - *Kraft*

- Applications
  - *Electrical insulating materials*
  - *Forsenic science*

PAPER : Basis weight : Monitoring : Equipment
Method for continuous weighing. World's Paper Trade Rev., 169 (2 May 68) p.1085+. il.

PAPER; Board. See BOARD; Paper

PAPER; Board : Cartons : Packaging : Liquids; Food. See FOOD; Liquids : Packaging : Cartons; Paper board

PAPER; Board : Containers. See CONTAINERS; Board

PAPER, Bromide : Collection : Droplets : Sprays : Oil–Water emulsions : Pesticides. See PESTICIDES : Emulsions, Oil–Water : Sprays : Droplets : Collection : Paper, Bromide

PAPER : Burst testing
Limitations of the Mullen burst test. R.A. Fava. Paper Maker, 15 (Mar 68) p.52+. refs.

PAPER; Cartons : Milk. See MILK : Cartons; Paper

PAPER, Chromo : Printing. See PRINTING : Paper, Chromo

PAPER : Cigarettes. See CIGARETTES : Paper

PAPER, Coated : Manufactures
Scottish author opens £1m. coated paper project at Stoneywood [Wiggins Teape Group] World's Paper Trade Rev., 169 (11 Jan 68) p.88+. il.
Spain's leading coated paper and board producer [Sarrio] World's Paper Trade Rev., 170 (4 Jul 68) p.16+. il.
Wiggins Teape's £1 million development at Aberdeen. Paper Maker, 155 (Jan 68) p.43+
Zander's new coating line at Bergisch Gladbach [West Germany] Paper Maker, 156 (Aug 68) p.28-30. il.

PAPER, Coated : Microscopy, Electron ,, Scanning
Examination of coated papers using the scanning electron microscope. W. Windle & F.R. Noble. Paper Maker, 156 (Sep 68) p.67+. il.

PAPER, Coated : Offset lithography. See LITHOGRAPHY, Offset : Paper, Coated

PAPER, Coated : Web offset lithography. See LITHOGRAPHY, Web offset : Paper, Coated

PAPER, Coating
What the coater requires of base paper. F.C. Butcher. Paper Technology, 9 (Jun 68) p.195-7

PAPER : Coating, Blade
Large-scale engineering project completed at C. Townsend Hook, Snodland: no.1 paper machine reconstructed to manufacture body paper for 'Fineblade' coated printings. Paper Maker, 155 (Jun 68) p.42+. il.
Two-sided blade coating in one pass: Billblade development. B. Wiklund. Paper Technology, 9 (Jun 68) p.231-6. il. refs.

PAPER : Coating : Drying : Control systems
Coater drying control techniques. I. Tanner. Paper Technology, 9 (Feb 68) p.42-50. refs.

PAPER : Coating : Foam : Control
Foam control in paper coating. P.S. Hudson. Paper Technology, 9 (Jun 68) p.185+. refs.

PAPER : Coating : Machines

John Galloway of Balerno enter the art paper market. Paper Maker, 156 (Jul 68) p.50+. il.

Lord Clydesmuir formally starts new coating plant at John Galloway & Co. Ltd. World's Paper Trade Rev., 170 (11 Jul 68) p.74+. il.

New £700,000 coating project 'on stream' in Scotland [John Galloway & Co. Ltd.] World's Paper Trade Rev., 169 (27 Jun 68) p.1595+. il.

Official opening of John Galloway's new coating mill at Balerno. Paper Maker, 156 (Jul 68) p.48+

Variable-speed drives for paper coating machine [Balerno Bank Paper Mills] Engineer, 226 (19 Jul 68) p.98-9. il.

PAPER : Coating : Quality control

Factors affecting product uniformity. E.C. Bennett. Paper Technology, 9 (Jun 68) p.239-43

PAPER : Coating, Trailing blade

Starting up a new coater. L.M.E. Haines. Paper Technology, 9 (Jun 68) p.236-9

PAPER : Coating, Trailing blade : Rolls

Curved rolls play vital role on high speed coater. World's Paper Trade Rev., 169 (18 Jan 68) p.168+. il.

PAPER : Coatings : Binders

Binding agents for paper coating. L. Placzek. Paper Maker, 156 (Oct 68) p.42+

PAPER : Coatings ; Chalk

Future of whiting in paper coatings. R.R. Davidson. Paper Technology, 9 (Jun 68) p.220-5. il. refs.

PAPER : Coatings ; Latex, Synthetic

Future of latices in paper and board coating. S.F. Brailsford. Paper Technology, 9 (Jun 68) p.214-19

Synthetic latices in the paper coating industry. J. of Instn. of Rubber Industry, 1 (Sep/Oct 67) p.277-81

PAPER : Coatings : Mixing

Study of coating mixing methods. A. Gregersen. Paper Technology, 9 (Jun 68) p.225-30. il. refs.

PAPER : Coatings ; Starch : Conversion

Papermill conversion of starches. E. Cowgill & J.P.V. Gracey. Paper Technology, 9 (Jun 68) p.207-13. il. refs.

PAPER : Coatings ; Starch : Insolubilisation

Starch insolubilisation in paper coating practice. A. Hersveldt, G. Smit & A.H. Zijderveld. Paper Technology, 9 (Jun 68) p.204-7

PAPER : Coatings, White : Colour : Measurement : Instruments

Calorimetry of whites. R.R. Blakey. J. of Soc. of Dyers & Colourists, 84 (Feb 68) p.120-4. refs.

PAPER : Colour printing. See PRINTING, Colour : Paper

PAPER : Conditioning : Machines

Conditioning paper on the paper machine. Paper Maker, 155 (May 68) p.69-70. il.

PAPER, Conductive ; Analogues : Magnetic field determination : End windings : Turbo-alternators. See TURBO-ALTERNATORS : Windings, End : Magnetic fields : Determination : Analogues ; Paper, Conductive

PAPER : Converting

W.R. Grace converting operations in Peru. World's Paper Trade Rev., 170 (26 Sep 68) p.724+. il.

PAPER : Counters

New developments from Vacuumatic Ltd. Packaging, 39 (Aug 68) p.26+. il.

PAPER : Cutting : Machines

Rationalised cutting and packing at Domtar Mills [Domtar Paper Mills, Sunderland] World's Paper Trade Rev., 169 (4 Apr 68) p.852+. il.

PAPER : Electrical insulating materials

Electrical insulating paper. B. Salvage. Electrical Times, 153 (27 Jun 68) suppt. p.25-6. il.

PAPER : Embossing : Lithography, Colour

Producing prestige print at low cost [A.J. Fletcher & Son Ltd., Manchester] Brit. Printer, 81 (Jul 68) p.53+. il.

PAPER, Extensible : Packaging materials : Production

Decade of progress for Clupak. World's Paper Trade Rev., 170 (22 Aug 68) p.432+. il.

PAPER : Finishing

Finishing operations at Domtar Paper Mills Ltd. Paper Maker, 155 (Jun 68) p.70-3. il.

PAPER : Finishing : Inspection

Automation in the finishing area. W.E. Caswell. World's Paper Trade Rev., 170 (7 Nov 68) p.1108+. il.

PAPER, Fluted : Manufactures

Billerud's new fluting mill [Gruvon, Grums, Sweden] Paper Maker, 156 (Nov 68) p.30-2. il.

PAPER, Fluted : Manufactures : Control systems : Computers

Billeruds inaugurates new computer controlled fluting mill. World's Paper Trade Rev., 170 (17 Oct 68) p.920+. il.

PAPER : Forensic science

Paper and crime: unusual aspects of paper science (extracts) J. Grant. Paper Maker (International no. 1968) p.80+

PAPER, Graph : Drawing : Architecture. See ARCHITECTURE : Drawing : Paper, Graph

PAPER, Greaseproof : Packaging : Food. See FOOD : Packaging : Paper, Greaseproof

PAPER : Inspection : Machines

Paper inspection systems. F. Church. Measurement & Control, 1 (Mar 68) p.90-1. il.

PAPER, Kraft : Manufactures

AB Statens Skogsindustrier: major Kraft paper and liner producer. World's Paper Trade Rev., 169 (25 Apr 68) p.1014+. il.

La Cellulose d'Aquitaine to lift bleached kraft capacity. World's Paper Trade Rev., 169 (23 May 68) p.1300+. il.

£16m. expansion project by Korsnas-Marma AB. World's Paper Trade Rev., 169 (27 Jun 68) p.1607+. il.

PAPER ; Kraft : Manufactures : Machines : Suction boxes : Covers

Roumanian report on 'Robalit 61' efficiency. S. Csiminschi & I. Puiu. World's Paper Trade Rev., 169 (14 Mar 68) p.646+

PAPER, Kraft : Manufactures : Stock : Filtration : Ultrasonics

Paper-stock consistency control [Aylesford Paper Mills] F. Church. Control, 12 (Apr 68) p.304-6. il.

PAPER, Kraft : Packaging : Perfumes. See PERFUMES : Packaging : Paper, Kraft

PAPER, Kraft : Packaging materials

Some recent developments in packaging. Pt.1: protective packaging of capital goods. Machinery Lloyd (European ed.) 40 (Dec 68) p.27-8. il.

PAPER : Measurements : Metric system

Paper and printing takes an historical step forward. World's Paper Trade Rev., 170 (25 Jul 68) p.199+

PAPER, No carbon required : Manufactures

NCR story. World's Paper Trade Rev., 169 (15 Feb 68) p.397+. il.

PAPER : Offset lithography. See LITHOGRAPHY, Offset : Paper

PAPER : Packaging materials. See PACKAGING : Papers

PAPER : Packaging materials : Perfumes. See PERFUMES : Packaging : Paper

PAPER : Print out : Computers. See COMPUTERS : Print out : Paper

PAPER : Printing. See PRINTING : Paper

PAPER, Reinforced : Man made fibres

ICI synthetic fibres in the paper industry. World's Paper Trade Rev., 170 (1 Aug 68) p.264+. il.

PAPER ; Sacks : Refuse disposal. See REFUSE : Disposal : Sacks ; Paper

PAPER : Sealing : Packaging : Perfumes. See PERFUMES : Packaging : Sealing :

PAPER : Sulphur dioxide adsorption
Sorption of sulphur dioxide by paper. C.J. Edwards, F.L. Hudson & J.A. Hockey. J. of Applied Chemistry, 18 (May 68) p.146-8. refs.

PAPER : Testing : Standardisation
Testing committee [B.P. & B.M.A. Technical Section] G. Thompson. Paper Maker, 156 (Nov 68) p.39+

PAPER, Tissue ,, Cleansing : Production
Jeyes Group—world leader in flat pack toilet tissues. World's Paper Trade Rev., 170 (10 Oct 68) p.860+. il.
Swedish princess opens new Satinex factory [Hawarden, North Wales] World's Paper Trade Rev., 170 (21 Nov 68) p.1260+

PAPER, Tissue ,, Cleansing : Production : Power supplies
Continuous production at new tissue mill [Bowater Scott Corporation] Electrical Rev., 182 (31 May 68) p.809-10. il.
£3 million tissue mill [Bowater-Scott tissue mill, Barrow-in-Furness] Electrical Times, 153 (6 Jun 68) p.933-6. il.

PAPER, Tissue : Production
Lilla Edet invent £2m. in new high speed machine. World's Paper Trade Rev., 169 (1 Feb 68) p.293+. il.
Wrinkle-free handling aids production at Associated Tissues. World's Paper Trade Rev., 170 (10 Oct 68) p.848+. il.

PAPER, Waste.. Great Britain
Waste paper: prospects now much brighter. World's Paper Trade Rev., 169 (22 Feb 68) p.486+

PAPER, Waste : Paper board manufactures. See BOARD, Paper : Manufactures : Paper, Waste

PAPER, Waste : Recovery
Waste paper. World's Paper Trade Rev., 169 (27 Jun 68) p.1591+

PAPER, Waste : Shredders
New heavy-duty paper shredding machine [Supershredder : Tingey & Co.] Packaging, 39 (Mar 68) p.69-70. il.

PAPER : Web offset lithography. See LITHOGRAPHY, Web offset : Paper

PAPER : Web tension : Control systems
Measurement & control of web-tension [Arenco Electronics AB, Stockholm] Packaging, 39 (Apr 68) p.71-3. il.

PAPER BOARD. See BOARD, Paper
PAPER BOARD; Boxes. See BOXES; Paper board
PAPER BOARD, Corrugated; Cartons. See CARTONS; Paper board, Corrugated
PAPER CHROMATOGRAMS. See CHROMATOGRAMS, Paper
PAPER CHROMATOGRAPHY : Azinphos methyl residues determination : Fruit. See FRUIT : Determination of azinphos methyl residues : Chromatography, Paper
PAPER CHROMATOGRAPHY : Azinphos methyl residues determination : Vegetables. See VEGETABLES : Determination of azinphos methyl residues : Chromatography, Paper
PAPER CHROMATOGRAPHY : Chlorogenic acid determination : Sunflower seed. See SUNFLOWER : Seed : Determination of chlorogenic acid : Chromatography, Paper
PAPER CHROMATOGRAPHY : Dyes : Colouring : Papermaking. See PAPERMAKING : Colouring : Dyes : Chromatography, Paper
PAPER CHROMATOGRAPHY : Organochlorine compounds insecticides residues determination : Earthworms. See EARTHWORMS : Determination of organochlorine compounds insecticides : Residues : Chromatography, Paper
PAPER CHROMATOGRAPHY : Quinic acid determination : Sunflower seed. See SUNFLOWER : Seed : Determination of quinic acid : Chromatography, Paper
PAPER CHROMATOGRAPHY : Steroids. See STEROIDS : Chromatography, Paper
PAPER ELECTRIC CABLES. See CABLES, Electric ,, Paper
PAPER–P.V.C.–POLYVINYLIDENE CHLORIDE; Bottles : Beer. See BEER : Bottles; Paper–P.V.C.–Polyvinylidene chloride
PAPER–P.V.C.–POLYVINYLIDENE CHLORIDE; Bottles : Soft drinks. See DRINKS, Soft : Bottles; Paper–P.V.C.–Polyvinylidene chloride
PAPER–PHENOLIC RESINS; Laminates. See LAMINATES; Paper–Phenolic resins
PAPER–POLYURETHANE, Expanded : Thermal insulation : Walls : Buildings. See BUILDINGS : Walls : Insulation, Thermal : Paper–Polyurethane, Expanded
PAPERBACK BOOKS. See BOOKS, Paperback

PAPERMAKING
American crystal gazer. Paper Maker (International no.1968) p.70-1. refs.
Fine papers from Silverdalen [AB Brusafors Hällefors] World's Paper Trade Rev., 170 (19 Sep 68) p.650+. il.
Future of Fort William (summary) N.J.M. Bennett. World's Paper Trade Rev., 170 (24 Oct 68) p.964-5
Modernisation strengthens position of Zanders Feinpapiere. World's Paper Trade Rev., 170 (12 Sep 68) p.582+. il.
Mr. Landegger on outlook for paper and allied industries. World's Paper Trade Rev., 169 (4 Jan 68) p.62-3
100 years in the forest products industry [G.A. Serlachius, Oy] World's Paper Trade Rev., 169 (16 May 68) p.1226+. il.
One of the world's leading tabulating card stock mills: Scott Paper Co.'s N.E. Division, Maine. World's Paper Trade Rev., 169 (16 May 68) p.1213+. il.
Pulp and paper in Sweden: SCA—a forest industry giant [Svenska Cellulosa AB] E. Mossberg. World's Paper Trade Rev., 169 (21 Mar 68) p.716+
Reed and Smith mills 'fully occupied'. World's Paper Trade Rev., 169 (16 May 68) p.1238+
Riegel paper corporation. World's Paper Trade Rev., 168 (21 Dec 67) p.1599+
Scott Paper Company. World's Paper Trade Rev., 169 (8 Feb 68) p.351+
Third new post-war machine started up at Culter Mills [Culter Mills Paper Co. Ltd.] World's Paper Trade Rev., 169 (30 May 68) p.1333+. il.

PAPERMAKING–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are seperated in the alphabetical sequence following.

Periodicals

Education
Research

Standardisation

History

Particular localities
  Great Britain
    Oxfordshire
    Hampshire
      Warnford
    South West England
  Europe
    Sweden
    Italy
  India

Problems
  Safety
  Broke
  Dust
  Barring

PAPERMAKING–SUBHEADINGS–*Synopsis–cont.*

- *Equipment*
  - *Machines*
  - *Felt*
  - *Presses*
  - *Boilers*
  - *Power plant*
  - *Control systems*

- Technical activities
  - *Operational research*
  - *Estimating*
  - *Stock preparation*
  - *Stock proportioning*
    - *Stock consistency*
  - *Stock deflocculation*
  - *Stock deaeration*
  - *Cleaning*
  - *Drying*
  - *Sizing*
  - *Colouring*

- Materials
  - *Bagasse*

PAPERMAKING : Bagasse
Paper from bagasse: W.R. Grace & Co. operations in Latin America. World's Paper Trade Rev., 170 (5 Sep 68) p.528+. il.
Paper from Bagasse: W.R. Grace joint operations in Ecuador. World's Paper Trade Rev., 170 (24 Oct 68) p.976+. il.

PAPERMAKING : Barring
Barring. Paper Maker, 155 (Apr 68) p.28+

PAPERMAKING : Boilers : Feedwater : Treatment
Water treatment for modern boiler plant in the paper industry. E.J. Bonner. Instn. of Mechanical Engrs. Proc., 181 Pt. 3N (1966/67) p.24-33. il. refs.
Water treatment for modern boiler plant in the paper industry. E.J. Bonner. Paper Maker, 154 (Dec 67) p.56+. il. refs.

PAPERMAKING : Broke : Control
Controlling broke. World's Paper Trade Rev., 170 (5 Sep 68) p.540

PAPERMAKING : Cleaning : Hydrocyclones
Distribution of pressure and velocity in a hydrocyclone. H.G. Weiss & W.H. Siewert. Paper Maker, 156 (Aug 68) p.42-4
Experiences with a new kind of stock cleaner [Radiclone] G.H. Nuttall. Paper Technology, 9 (Aug 68) p.325-34. il. refs.

PAPERMAKING : Colouring
Colour. Paper Maker, 156 (Nov 68) p.36+

PAPERMAKING : Colouring : Control systems
Automatic colour control on the papermachine. M. Quinn. Paper Technology, 9 (Aug 68) p.317-24. il. refs.
Automatisation dans la coloration du papier [ICI Colour Control System developed by ICI Dyestuffs Division, Blackley, Manchester] Paper Maker (International no. 1968) p.93-5. il.
Automation in paper coloration: introduction of unique ICI colour control system. Paper Maker, 154 (Dec 67) p.50-2. il.

PAPERMAKING : Colouring : Dyes : Chromatography, Paper
Chromatographic analysis of dyes in paper [US Nat. Bureau of Standards Inst. for Materials Research] Dyer, Textile Printer, Bleacher & Finisher, 139 (5 Jan 68) p.17-18. il. ref.
Chromatographic analysis of dyes in paper [US Nat. Bureau of Standards Inst. for Materials Research] Paint Technology, 32 (Feb 68) p.35-6
Chromatographic analysis of dyes in paper [U.S. National Bureau of Standards] Chemical Processing, 14 (Jun 68) p.36-8. il.

PAPERMAKING : Control systems
Automation in the paper industry. L.A. Kirk. J. of Soc. of Dyers & Colourists, 84 (Feb 68) p.82-7. il. refs.
Automation in the paper industry, pt.1. B.M. Betts. Paper Maker, 156 (Aug 68) p.34+. il.
Automation in the paper industry, pt.2. B.M. Betts. Paper Maker, 156 (Oct 68) p.44+
Paper making systems and their control. World's Paper Trade Rev., 170 (8 Aug 68) p.328+

PAPERMAKING : Control systems : Computers
Consistency problems in paper machine computer control [Reed's Empire Paper Mills, Greenhithe] W.T. Lee. Measurement & Control, 1 (Oct 68) p.T156-9. il. refs.
Digital control of a Fourdrinier paper machine [No.1 machine at Empire Paper Mills, Greenhithe] R.E. Jones & W.T. Whight. Measurement & Control, 1 (Aug 68) p.287+. il. refs.
Wolvercote Paper Mill computer system . . . three years after. D.A. Mackintosh. Industrial Electronics, 6 (Mar 68) p.103-4

PAPERMAKING : Control systems : Computers, Analogue
Analogue computer for paper machine control. A.R. Farmer. English Electric J., 23 (Sep/Oct 68) p.6-16. il. refs.

PAPERMAKING : Drying : Cylinders
Latest developments in multi-cylinder drying. E. Race. Paper Maker, 154 (Annual Review No. 1967) p.130-1
Latest developments in multi-cylinder drying. E. Race. World's Paper Trade Rev., 168 (30 Nov 67) p.1420
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DINOBUTON : Pesticides
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HERBICIDES
INSECTICIDES
ORGANOCHLORINE COMPOUNDS : Pesticides
ORGANOPHOSPHORUS COMPOUNDS : Pesticides
PHOSALONE
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PETROLEUM
Related Headings:
- BITUMEN
- FUEL OIL
- GAS OIL
- KEROSINE
- NAPHTHA
- OIL SAND
- PETROCHEMICALS
- PETROL
- WHITE MINERAL OIL

PETROLEUM–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Research

Geology
  Genesis
  Reservoirs

Mycology

PETROLEUM–SUBHEADINGS–Synopsis–cont.

Production
  Prospecting
  Drilling
  Refining
    Refineries
Handling
Storage
Transport
  Pipelines
Distribution

Forms
  Sprays
Products
  Light distillates
  Coke

Utilisation

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PHOSPHORS

Related Headings:

GALLIUM PHOSPHIDE
ZINC SULPHIDE

PHOSPHORS : Fluorescent lamps. See LAMPS, Fluorescent : Phosphors

PHOSPHORS : Tracers : Stokes flow measurement : Rectangular pipes. See PIPES, Rectangular : Flow, Stokes : Measurement : Tracers : Phosphors

PHOSPHORUS : Determination : Coal. See COAL : Determination of phosphorus

PHOSPHORUS : Determination : Diffusion hydrogen–nitrogen flames. See FLAMES; Hydrogen–Nitrogen,, Diffusion : Determination of phosphorus

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PHOTOCHEMICAL ETCHING. See ETCHING, Photochemical

PHOTOCHEMICAL REDUCTION : Ethyl alcohol; Solutions : Anthraquinone dyes. See ANTHRAQUINONE DYES : Solutions; Ethyl alcohol : Reduction, Photochemical

PHOTOCHEMISTRY
Related Headings:
PHOTOLYSIS

PHOTOCHEMISTRY : Organic chemicals. See ORGANIC CHEMICALS : Photochemistry

PHOTOCHEMISTRY : Potassium hydroxide solutions : Silver; Films : Electrodes. See ELECTRODES : Films; Silver : Potassium hydroxide solutions : Photochemistry

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PHOTOCHROMISM : Microfilm. See MICROFILM : Photochromism

PHOTOCONDUCTIVE CADMIUM BOROGERMANATE GLASS. See GLASS, Cadmium borogermanate,, Photoconductive

PHOTOCONDUCTIVE CADMIUM BOROSILICATE GLASS. See GLASS, Cadmium borosilicate,, Photoconductive

PHOTOCONDUCTIVE CELLS; Cadmium sulphide : Reflectance photometry : Powders. See POWDERS : Photometry, Reflectance : Photoconductive cells; Cadmium sulphide

PHOTOCONDUCTIVE CELLS : Control : Lighting : Streets. See STREETS : Lighting : Control : Photoconductive cells

PHOTOCONDUCTIVE CELLS : Modulators : D.C. buffer amplifiers. See AMPLIFIERS, Buffer,, D.C. : Modulators : Photoconductive cells

PHOTOCONDUCTIVE CELLS : Time constants : Resistance–Capacitance : Low pass filters : Noise : Photomultipliers. See PHOTOMULTIPLIERS : Noise : Filters, Low pass : Resistance–Capacitance : Time constants : Photoconductive cells

PHOTOCONDUCTIVE CELLS : Variable resistors : Analogue computers. See COMPUTERS, Analogue : Resistors, Variable : Photoconductive cells

PHOTOCONDUCTIVE FILM CAMERAS : Television. See TELEVISION : Cameras, Film, Photoconductive

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PHOTOCONDUCTIVITY : Indium antimonide. See INDIUM ANTIMONIDE : Photoconductivity

PHOTOCONDUCTIVITY : Silicon; Transistors. See TRANSISTORS; Silicon : Photoconductivity

PHOTOCOPYING
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ELECTROPHOTOGRAPHY
MICROFILM

PHOTOCOPYING : Conversion : Originals : Illustrations. See ILLUSTRATIONS : Originals : Conversion : Photocopying

PHOTOCOPYING, Diffusion transfer : Isodensity patterns production : Micrographs : Chromosomes. See CHROMOSOMES : Micrographs : Isodensity patterns : Production : Photocopying, Diffusion transfer

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PHOTOELASTICITY, Frozen stress : Cylindrical tube plates : Boilers. See BOILERS : Plates, Tube,, Cylindrical : Photoelasticity, Frozen stress

PHOTOELASTICITY, Frozen stress : Discs : Gas turbines : Aircraft. See AIRCRAFT : Gas turbines : Discs : Photoelasticity, Frozen stress

PHOTOELASTICITY, Frozen stress : Hubs : Gas turbines : Aircraft. See AIRCRAFT : Gas turbines : Hubs : Photoelasticity, Frozen stress

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PHOTOELASTICITY: Strains: Machinery components. See MACHINERY: Components: Strains:

PHOTOELASTICITY : Stress analysis : Shafts : Mining. See MINING : Shafts : Stresses : Analysis : Photoelasticity

PHOTOELASTICITY : Stress distribution studies : Load bearing brickwork. See BRICKWORK, Load bearing : Stress distribution : Studies : Photoelasticity

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PHOTOELECTRIC

Related Headings:

PHOTOCONDUCTIVITY

PHOTOELECTRIC CELLS

Related Headings:

PHOTOCATHODES
PHOTOCONDUCTIVE CELLS
PHOTOEMISSION
PHOTOVOLTAIC CELLS

PHOTOELECTRIC CELLS; Lead sulphide : Radiation pyrometers : Temperature measurement : Hot extrusion : Aluminium. See ALUMINIUM : Extrusion, Hot : Temperature : Measurement : Pyrometers, Radiation : Photoelectric cells; Lead sulphide

PHOTOELECTRIC CELLS : Reflectance : Velocity measurement : Moving surfaces. See SURFACES, Moving : Velocity : Measurement : Reflectance : Photoelectric cells

PHOTOELECTRIC CLOCKS. See CLOCKS, Photoelectric

PHOTOELECTRIC COLOUR SORTING : Separation : Mineral dressing. See MINERAL DRESSING : Separation : Colour sorting, Photoelectric

PHOTOELECTRIC COUNTERS : Cells : Unicellular microbiology. See MICROBIOLOGY, Unicellular : Cells : Counters, Photoelectric

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PHOTOELECTRIC EFFECT : Electrolysis : Electrodes : Correlation with charge transfer : Polarography : Aromatic compounds. See AROMATIC COMPOUNDS : Polarography : Charge transfer : Correlation with electrodes : Electrolysis : Photoelectric effect

PHOTOELECTRIC EFFECT : Electrolysis : Germanium; Cathodes. See CATHODES; Germanium : Electrolysis : Photoelectric effect

PHOTOELECTRIC EFFECT : Electrolysis : Molten anthracene; Anodes. See ANODES; Anthracene, Molten : Electrolysis : Photoelectric effect

PHOTOELECTRIC EFFECT . Electrolysis : Molten naphthalene; Anodes. See ANODES; Naphthalene, Molten : Electrolysis : Photoelectric effect

PHOTOELECTRIC EFFECT : Electrolysis : Molten pyrene; Anodes. See ANODES; Pyrene, Molten : Electrolysis : Photoelectric effect

PHOTOELECTRIC EFFECT : Electrolysis : Naphthacene; Electrodes. See ELECTRODES; Naphthacene : Electrolysis : Photoelectric effect

PHOTOELECTRIC EFFECT : Electrolysis : Tantalum oxide; Electrodes. See ELECTRODES; Tantalum oxide : Electrolysis : Photoelectric effect

PHOTOELECTRIC EFFECT : Nitrous oxide–Potassium chloride solutions : Platinum; Electrodes. See ELECTRODES; Platinum : Nitrous oxide–Potassium chloride solutions : Photoelectric effect

PHOTOELECTRIC EFFECT : n-Type zinc oxide. See ZINC OXIDE, n-Type : Photoelectric effect

PHOTOELECTRIC EFFECT : p-Type perylene. See PERYLENE, p-Type : Photoelectric effect

PHOTOELECTRIC FLOWMETERS. See FLOWMETERS, Photoelectric

PHOTOELECTRIC GUARDS. See GUARDS, Photoelectric

PHOTOELECTRIC GUARDS : Press brakes. See PRESS BRAKES : Guards, Photoelectric

PHOTOELECTRIC METERS : Torque. See TORQUE : Meters, Photoelectric

PHOTOELECTRIC ON–OFF CONTROL SYSTEMS. See CONTROL SYSTEMS, On–Off,, Photoelectric

PHOTOELECTRIC SCANNING : Colour separations : Half tone illustrations. See ILLUSTRATIONS, Half tone : Colour separations : Scanning, Photoelectric

PHOTOELECTRIC SCANNERS : Fault detection : Float process : Glass manufactures. See GLASS : Manufactures : Float process : Faults : Detection : Scanners, Photoelectric

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PHOTOELECTRIC THERMOMETERS. See THERMOMETERS, Photoelectric

PHOTOELECTRIC TORQUE MAGNETOMETERS : Magnetic films. See FILMS, Magnetic : Magnetometers, Torque,, Photoelectric

PHOTOELECTRIC VISCOMETERS. See VISCOMETERS, Photoelectric

PHOTOELECTRIC VOLTAGE DIVIDERS : Loudness control : Reproduction : Sound. See SOUND : Reproduction : Loudness control : Voltage dividers, Photoelectric

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PHOTOEMISSION : Grid controlled photomultipliers. See PHOTOMULTIPLIERS, Grid controlled : Photoemission

PHOTOEMISSION : Strontium oxide; Thermionic cathodes. See CATHODES, Thermionic; Strontium oxide : Photoemission

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PROCESS CAMERAS

PHOTOENGRAVING : Industry.. Midlands

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PHOTOEXCITATION, Pulse : Photoconductive semiconductors. See PHOTOCONDUCTIVE SEMICONDUCTORS : Photoexcitation, Pulse
PHOTOGRAMMETRY
Related Headings:
LAND : Utilisation : Photography, Air

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PHOTOGRAMMETRY : Civil engineering. See CIVIL ENGINEERING : Photogrammetry
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PHOTOGRAPHY
Related Headings:
CAMERAS
CINEMATOGRAPHY
ELECTROPHOTOGRAPHY
EXPOSURE METERS
FILM, Photographic
HOLOGRAPHY

PHOTOGRAPHY
Related Headings—*cont.*
MICROPHOTOGRAPHY
PHOTOMICROGRAPHY
PROCESS PHOTOGRAPHY
PROJECTORS

PHOTOGRAPHY—SUBHEADINGS—Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

History
Education

Technical activities
  Lighting
  Exposure
  Processing
    Development
      Developers
    Enlarging
      Enlargers
    Fixing

Evaluation
  Visual comparison technique

Materials
  Emulsions

Photographic specialties
  Flashlight
  Close up
  Colour
  Scientific
  Infra-red
  High speed
  Air

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PHOTOGRAPHY : Architecture. See ARCHITECTURE : Photography
PHOTOGRAPHY : Borehole direction measurements. See BOREHOLES : Direction : Measurements : Photography
PHOTOGRAPHY : Buildings. See BUILDINGS : Photography
PHOTOGRAPHY : Civil engineering. See CIVIL ENGINEERING : Photography
PHOTOGRAPHY, Close up
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PHOTOGRAPHY : Droplet size distribution measurement : Sprays: Liquid propellants. See PROPELLANTS, Liquid : Sprays : Droplets : Size distribution : Measurement : Photography

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On the methionine sulphoxide of gelatin. J. Pouradier & A. Rondeau. J. of Photographic Science, 16 (Mar/Apr 68) p.68-9. refs.

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HOUSING.. Pitcairn Island

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PITCH : Coal tar. See COAL TAR : Pitch
PITCH : Propellers : Ships. See SHIPS : Propellers : Pitch
PITCHED ROOFS. See ROOFS, Pitched
PITOT TUBES : Differential pressure flowmeter calibration : Pipelines. See PIPELINES : Flowmeters, Differential pressure : Calibration : Pitot tubes
PITOT TUBES : Flow studies : Burners : Gases. See GASES : Burners : Flow : Studies : Pitot tubes
PITS : Etching : Octahedral cleavage surfaces : Diamond. See DIAMOND : Cleavage surfaces, Octahedral : Etching : Pits
PITS, Spiral : Etching : Octahedral cleavage surfaces : Synthetic diamond. See DIAMOND, Synthetic : Cleavage surfaces, Octahedral : Etching : Pits, Spiral
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PITTING : Austenitic stainless steel. See STEEL, Stainless,, Austenitic : Pitting
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PITTING : Drawn copper; Pipes : Hot water : Buildings. See BUILDINGS : Water, Hot : Pipes; Copper, Drawn : Pitting
PITTING : Iron. See IRON : Pitting
PITTING : Iron–Chromium. See IRON–CHROMIUM : Pitting
PITTING : Single crystals : Iron–Chromium. See IRON–CHROMIUM : Crystals, Single : Pitting
PITTING : Steel–Chromium–Molybdenum–Nickel; Spinning equipment : Rayon; Yarns. See YARNS; Rayon : Spinning : Equipment; Steel–Chromium–Molybdenum–Nickel : Pitting
PITTING: Teeth: Gears. See GEARS: Teeth: Pitting
PITTSBURGH
See
TRANSIT EXPRESSWAYS.. South Park

PIVOTED BEAMS. See BEAMS, Pivoted
PIVOTED DISC VALVES. See VALVES, Disc,, Pivoted
PIVOTED DISC VALVES : Town gas. See GAS, Town : Valves, Disc, Pivoted
PLANAR CRIMP : Fibres : Textiles. See TEXTILES : Fibres : Crimp, Planar
PLANAR TRANSISTOR CONVERTERS. See CONVERTERS, Transistor, Planar
PLANAR TRANSISTOR MOBILE RECEIVERS : V.H.F. Communications : Radio. See RADIO : Communications, V.H.F. : Receivers, Mobile,, Transistor,, Planar
PLANAR TRANSISTOR PRESSURE TRANSDUCERS. See PRESSURE : Transducers, Transistor, Planar
PLANAR TRANSISTORS. See TRANSISTORS, Planar
PLANAR TRANSISTORS : Repeaters : Submarine cables : Telephony. See TELEPHONY : Cables, Submarine : Repeaters : Transistors, Planar
PLANE ELASTIC DEFORMATION. See ELASTIC DEFORMATION, Plane
PLANE ELASTIC WAVES. See WAVES, Elastic,, Plane
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PLANOMILLERS
PLANING : Wood. See WOOD : Planing
PLANNING : Building. See BUILDING : Planning
PLANNING : Roads. See ROADS : Planning
PLANNING, Town. See TOWN PLANNING
PLANNING, Village. See VILLAGE PLANNING

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PLANT : Layout : Bottling : Food. See FOOD : Bottling : Plant layout
PLANT : Layout : Bottling : Milk. See MILK : Bottling : Plant layout

PLANT : Layout : Canning : Food. See FOOD : Canning : Plant layout

PLANT : Layout : Canning : Potatoes. See POTATOES : Canning : Plant layout

PLANT : Layout : Cold stores. See COLD STORES : Plant layout

PLANT : Layout : Food processing. See FOOD : Processing : Plant layout

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PLASMA ARCS, R.F. : Aluminium chloride : Alumina; Powder production. See POWDERS; Alumina : Production : Aluminium chloride : Plasma arcs, R.F.

PLASMA ARCS, R.F. : Chlorides : Alumina–Chromic oxide; Powder production. See POWDERS; Alumina–Chromic oxide : Production : Chlorides : Plasma arcs, R.F.

PLASMA ARCS, R.F. : Chlorides : Chromic oxide–Titanium dioxide; Powder production. See POWDERS; Chromic oxide–Titanium dioxide : Production : Chlorides : Plasma arcs, R.F.

PLASMA ARCS, R.F. : Chromium chloride : Chromic oxide; Powder production. See POWDERS; Chromic oxide : Production : Chromium chloride : Plasma arcs, R.F.

PLASMA ARCS, R.F. : Titanium chloride : Titanium dioxide; Powder production. See POWDERS; Titanium dioxide : Production : Titanium chloride : Plasma arcs, R.F.

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PLASMA COATED ELECTRICALLY CONDUCTIVE CYLINDERS. See CYLINDERS, Electrically conductive,, Coated : Plasmas

PLASMA FILLED WAVEGUIDES. See WAVEGUIDES, Plasma filled

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PLASMAS : Dynamics : Astronautics vehicles. See ASTRONAUTICS : Vehicles : Plasma dynamics

PLASMAS : Effect on aerials : Astronautics vehicles. See ASTRONAUTICS : Vehicles : Aerials : Effect of plasmas

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PLASMAS : Nuclear fusion. See NUCLEAR FUSION : Plasmas

PLASMAS : Pinch effect, Theta : Magnetic fields : Distribution : Determination : Capacitor banks, Low voltage

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Related Headings :

DUOPLASMATRONS

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PLASTER; Gypsum : Flame resistance

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PLASTIC BENDING : Fatigue : Metals; Beams. See BEAMS; Metals : Fatigue : Bending, Plastic

PLASTIC BENDING : Mild steel; Plates. See PLATES; Steel, Mild : Bending, Plastic

PLASTIC DEFORMATION

Related Headings :

MICROPLASTICITY

SUPERPLASTIC

PLASTIC DEFORMATION : Annealed nickel. See NICKEL, Annealed : Plastic deformation

PLASTIC DEFORMATION : Beams. See BEAMS : Plastic deformation

PLASTIC DEFORMATION : Bituminous gravel; Basecourses : Roads. See ROADS : Basecourses; Gravel, Bituminous : Plastic deformation

PLASTIC DEFORMATION : Cohesionless soil. See SOIL, Cohesionless : Plastic deformation

PLASTIC DEFORMATION, Cyclic : Neutron irradiated single crystals : Copper. See COPPER : Crystals, Single,, Irradiated : Neutrons : Plastic deformation, Cyclic

PLASTIC DEFORMATION : Prestrained single crystals : Aluminium–Copper. See ALUMINIUM–COPPER : Crystals, Single,, Prestrained : Plastic deformation

PLASTIC DEFORMATION : Ring reinforced cylindrical shells. See SHELLS, Cylindrical,, Ring reinforced : Plastic deformation

PLASTIC DEFORMATION : Silica–Lithia–Zinc oxide glass ceramics. See GLASS CERAMICS, Silica–Lithia–Zinc oxide : Plastic deformation

PLASTIC DEFORMATION : Single crystals : Copper–Silica. See COPPER–SILICA : Crystals, Single : Plastic deformation

PLASTIC DEFORMATION : Single crystals : Copper–Silicon. See COPPER–SILICON : Crystals, Single : Plastic deformation

PLASTIC DEFORMATION : Single crystals : Nickel. See NICKEL : Crystals, Single : Plastic deformation

PLASTIC DEFORMATION : Sliding contact. See SLIDING CONTACT : Plastic deformation

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PLASTIC DEFORMATION, Tensile : Aluminium–Magnesium. See ALUMINIUM–MAGNESIUM : Tension, Plastic

PLASTIC DEFORMATION, Tensile : Single crystals : Copper. See COPPER : Crystals, Single : Plastic deformation, Tensile

PLASTIC DEFORMATION, Tensile: Single crystals: Ice. See ICE : Crystals, Single: Plastic deformation, Tensile

PLASTIC DEFORMATION : Thin walled pipes. See PIPES, Thin walled : Plastic deformation

PLASTIC DEFORMATION : Titanium; Sheets. See SHEETS; Titanium : Plastic deformation

PLASTIC DEFORMATION : Zinc; Sheets. See SHEETS; Zinc : Plastic deformation

PLASTIC SURGERY UNITS : Hospitals. See HOSPITALS : Plastic surgery units

PLASTICALLY DEFORMED ALUMINIUM. See ALUMINIUM, Plastically deformed

PLASTICALLY DEFORMED COPPER. See COPPER, Plastically deformed

PLASTICALLY DEFORMED METALS. See METALS, Plastically deformed

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PLASTICISERS; Triaryl phosphates : P.V.C.. See P.V.C. : Plasticisers; Triaryl phosphates

PLASTICITY RETENTION TESTS : Correlation with ageing : Rubber. See RUBBER : Ageing : Correlation with plasticity retention tests

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PLASTICS
  Related Headings:
    ACETAL RESINS
    ACRYLIC PLASTICS
    ACRYLONITRILE–BUTADIENE–STYRENE
    ACRYLONITRILE–STYRENE
    ALKYD RESINS
    AMINO RESINS
    CELLULOID
    CELLULOSE ACETATE
    CELLULOSE ACETATE BUTYRATE
    EPOXY RESINS
    ETHYLENE–VINYL ACETATE
    FLUOROCARBONS : Resins
    FORMALDEHYDE RESINS
    FURAN : Resins
    MELAMINE–FORMALDEHYDE
    NYLON
    P.T.F.E.
    P.V.A.
    P.V.C.
    P.V.F.
    PHENOL–FORMALDEHYDE
    PHENOLIC RESINS
    PLASTICISERS
    POLYAMIDES : Thermoplastics
    POLYBENZYL ACRYLATE
    POLYBISPHENOL A TEREPHTHALATE
    POLYCARBONATE RESINS
    POLYESTERS
    POLYETHYLENE TEREPHTHALATE
    POLYIMIDE RESINS
    POLYMETHYL METHACRYLATE
    POLY-4-METHYLPENTENE-1
    POLYOLEFINS
    POLYOXYETHYLENE
    POLYOXYPROPYLENE
    POLYPHENYLENE OXIDE
    POLYPHENYLENES
    POLYPROPYLENE
    POLYSTYRENE
    POLYSULPHONES
    POLYTETRAMETHYLENE OXIDE
    POLYTHENE
    POLYURETHANE
    POLYVINYL ALCOHOL
    POLYVINYLIDENE CHLORIDE
    RESINS
    THERMOPLASTICS
    UREA–FORMALDEHYDE
    VINYL POLYMERS

PLASTICS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Education

Physical properties
  Weathering
  Electrical properties
    Dielectric loss factor
Chemical properties
  Molecular weight
  Degradation

Technical activities
  Industrial design
  Testing
  Manufactures

PLASTICS–SUBHEADINGS–Synopsis–cont.

- Technical activities–cont.
  - *Heating*
  - Forming
    - *Moulding*
    - Extrusion
      - *Extruders*
    - *Casting*
    - *Pressworking*
    - *Stamping*
  - *Colour matching*
  - *Decoration*
  - *Coating*
    - *Plating*
      - *Gas plating*
      - *Electroplating*
    - *Painting*
  - *Printing*

- Types of plastics
  - *Rigid*
  - *Heat resistant*
  - *Flame resistant*
  - *Thermosetting*
  - *Expanded*
  - *Reinforced*

- Applications
  - *Engineering*
    - *Electrical engineering*
      - *Electrical insulating materials*
  - *Building materials*
    - *Sound insulating materials*
  - *Packaging materials*

- *Utilisation*

PLASTICS; Adhesives : Shoes. See SHOES : Adhesives; Plastics

PLASTICS; Adhesives : Wood; Beams : Prefabricated buildings. See BUILDINGS, Prefabricated : Beams; Wood : Adhesives; Plastics

PLASTICS; Artificial joints : Hips. See HIPS : Joints, Artificial; Plastics

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PLATING

Related Headings:

ELECTROPLATE
ELECTROPLATING
GAS PLATING

PLATING : Aluminium alloys; Tubes. See TUBES; Aluminium alloys : Plating

PLATING, Barrel. See BARREL PLATING

PLATING : Brass. See BRASS : Plating

PLATING, Chemical reduction : Brass. See BRASS : Plating, Chemical reduction

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PRESSURE WELDING : Dispersion alloys : Lead. See LEAD : Alloys, Dispersion : Welding, Pressure

PRESSURISATION : Cables : Telephony. See TELEPHONY : Cables : Gas pressurisation

PRESSURISED AIR ; Spark gaps. See SPARK GAPS ; Air, Pressurised

PRESSURISED DIVING CHAMBERS. See DIVING CHAMBERS, Pressurised

PRESSURISED DIVING CHAMBERS : Off shore drilling equipment : Natural gas. See GAS, Natural : Drilling, Off shore : Equipment : Diving chambers, Pressurised

PRESSURISED DIVING CHAMBERS : Off shore drilling equipment : Petroleum. See PETROLEUM : Drilling, Off shore : Equipment : Diving chambers, Pressurised

PRESSURISED LUBRICANTS : Drawing : Copper; Wires. See WIRES; Copper : Drawing : Lubricants, Pressurised

PRESSURISED OIL FILM BEARINGS : Machine tools. See MACHINE TOOLS : Bearings, Pressurised oil film

PRESSURISED OIL FILM JOURNAL BEARINGS. See BEARINGS, Journal , , Pressurised oil film

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PRESS TOOLS

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PRESSWORKING, Hot : Brass. See BRASS : Hot pressworking
PRESSWORKING, Hot : Non-ferrous metals. See NON-FERROUS METALS : Hot pressworking
PRESSWORKING : P.V.C. coated metals; Sheets. See SHEETS; Metals, Coated : P.V.C.: Pressworking
PRESSWORKING : Plastics. See PLASTICS : Pressworking

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PRESTRAINING : Effect on crack propagation : Single crystals : Tungsten. See TUNGSTEN : Crystals, Single : Cracks : Propagation : Effect of prestraining

PRESTRESSED CONCRETE. See CONCRETE, Prestressed
PRESTRESSED CONCRETE; Beams. See BEAMS; Concrete, Prestressed
PRESTRESSED CONCRETE; Beams : Bridges. See BRIDGES : Beam; Concrete, Prestressed
PRESTRESSED CONCRETE; Bridges. See BRIDGES; Concrete, Prestressed
PRESTRESSED CONCRETE; Bridges : Motorways. See MOTORWAYS : Bridges; Concrete, Prestressed
PRESTRESSED CONCRETE; Conical tanks : Water. See WATER : Tanks, Conical; Concrete, Prestressed
PRESTRESSED CONCRETE; Continuous beams : Bridges. See BRIDGES : Beams, Continuous; Concrete, Prestressed
PRESTRESSED CONCRETE; Diaphragm walls : Docks. See DOCKS : Walls, Diaphragm; Concrete, Prestressed
PRESTRESSED CONCRETE; Paraboloid shells. See SHELLS, Paraboloid; Concrete, Prestressed
PRESTRESSED CONCRETE : Pipes : Water. See WATER : Pipes, Concrete,, Prestressed

PRESTRESSED CONCRETE; Pressure vessels : Magnox nuclear reactors. See NUCLEAR REACTORS, Magnox : Pressure vessels; Concrete, Prestressed
PRESTRESSED CONCRETE; Pressure vessels : Nuclear reactors. See NUCLEAR REACTORS : Pressure vessels; Concrete, Prestressed
PRESTRESSED CONCRETE; Reservoirs. See RESERVOIRS; Concrete, Prestressed
PRESTRESSED CONCRETE; Slabs : Bridges. See BRIDGES : Slabs; Concrete, Prestressed
PRESTRESSED CONCRETE; Structures. See STRUCTURES; Concrete, Prestressed
PRESTRESSED LIGHTWEIGHT AGGREGATE CONCRETE; Beams. See BEAMS; Concrete, Lightweight aggregate,, Prestressed
PRESTRESSED LIGHTWEIGHT CONCRETE; Cantilever foot bridges. See BRIDGES, Foot,, Cantilever; Concrete, Lightweight,, Prestressed
PRESTRESSED METALS; Pipelines. See PIPELINES; Metals, Prestressed
PRESTRESSED WELDED METALS. See METALS, Welded,, Prestressed
PRESTRETCHING : Cross linking : Crease resistant cellulosic fabrics. See FABRICS, Cellulosic,, Crease resistant : Cross linking : Prestretching
PRETENSIONED CABLES. See CABLES, Pretensioned
PRETENSIONED CABLES: Suspended roofs. See ROOFS, Suspended: Cables, Pretensioned
PRETWISTED CANTILEVER BLADES. See BLADES, Cantilever,, Pretwisted
PRETWISTED MILD STEEL BARS. See BARS; Steel, Mild,, Pretwisted
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See
SEALS: Mammals: Resources.. Pribilof Islands
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Related Headings:
ELECTRIC MOTORS
ENGINES
NUCLEAR ENERGY
NUCLEAR PROPULSION
ROCKETS
SOLAR ENERGY
STEAM : Engineering
STEAM : Turbines
WINDMILLS
PRIME MOVERS : Pumps
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PRIMING PAINT : Aircraft. See AIRCRAFT : Paint, Priming
PRIMING PAINT : Motor vehicles. See MOTOR VEHICLES : Paint, Priming
PRIMING PAINT : Steel; Structures. See STRUCTURES; Steel : Paint, Priming
PRIMING PAINT : Stud welded high yield stress steel; Beams. See BEAMS; Steel, High yield stress,, Welded,, Stud : Paint, Priming

PRIMING PAINT : Wood. See WOOD : Paint, Priming
PRINT OUT : Computers. See COMPUTERS : Print out
PRINT OUT : Computers : Education : Civil engineering. See CIVIL ENGINEERING : Education : Computers : Print out
PRINT OUT, Graphical : Computers. See COMPUTERS : Print out, Graphical
PRINT OUT, Magnetic : Computers. See COMPUTERS : Print out, Magnetic
PRINTED CIRCUITS. See CIRCUITS, Electronic,, Printed
PRINTED CIRCUITS : Computers. See COMPUTERS : Circuits, Printed
PRINTED CIRCUITS : Control systems : Knitting machines. See KNITTING : Machines : Control systems : Circuits, Printed
PRINTED CIRCUITS : Logical elements : Computers. See COMPUTERS : Logical elements : Circuits, Printed
PRINTED CIRCUITS : Strain rosettes. See STRAIN ROSETTES : Circuits, Printed
PRINTED DEFLECTION COILS : Tubes: Cameras: Television. See TELEVISION : Cameras: Tubes: Deflection coils, Printed

PRINTED DEFLECTION COILS : Tubes : Receivers: Television. See TELEVISION : Receivers: Tubes : Deflection coils, Printed

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Related Headings:
- BRAILLE : Production
- COMPOSING : Printing
- DIE STAMPING: Printing
- ENGRAVING
- ETCHING
- ILLUSTRATIONS
- LITHOGRAPHY
- PHOTOENGRAVING
- PHOTOGRAVURE
- PRESSWORK
- SCREEN PRINTING
- THERMOGRAPHY
- TYPE FACES
- TYPE FOUNDING

PRINTING–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Particular countries
  Denmark
  Japan
  U.S.A.

Organisations
Manpower
Profession
  Technologists
Education
Research

Costs

Works

Equipment
  Machines

Formes
Plates

PRINTING–SUBHEADINGS–Synopsis–cont.

Materials
  Surface tension
  Paper
  Inks

Technical operations
  Measurements
  Design
  Production, Control
  Impression

Specialties
  Colour

Systems
  Sheet fed
  Web fed
  Dry offset
  Electrostatic

PRINTING : Blended fabrics. See FABRICS, Blended : Printing
PRINTING : Books. See BOOKS : Printing
PRINTING : Cellulosic fabrics. See FABRICS, Cellulosic : Printing
PRINTING : Charts : Navigation : Ships. See SHIPS : Navigation : Charts : Printing

PRINTING, Colour : Air conditioning
Air conditioning for colour printing [Carlyle equipment for Briant Printing Co. Ltd.] Modern Refrigeration, 71 (Mar 68) p.62+. il.

PRINTING, Colour : Control systems
Automation in colour printing. D.J. Kyte. Electronics & Power, 14 (Mar 68) p.101-4. il.

PRINTING : Colour : Measurement
Light and colour. Pt.6: measurement. M.C. Melia. Litho Printer, 11 (Jan 68) p.33-7. il.

PRINTING, Colour : Paper
Influence of the paper in colour reproduction. C.M. Wilson. Printing Technology, 11 (Dec 67) p.121-6. il. refs.

PRINTING : Costs : Computers
New computer costing service for printers [Randax-EDP] Brit. Printer, 80 (Dec 67) p.94+

PRINTING.. Denmark
Graphic reproduction in Denmark. Litho Printer, 11 (Apr 68) p.23-5. il.

PRINTING : Design
Excogitator extraordinary. J. Moran. Brit. Printer, 80 (Dec 67) p.66-70. il.
Her Majesty's house style [H.M.S.O.] K. Baynes & K. Baynes. Design (Oct 68) p.64-7. il.
PRINTING : Design : Books. See BOOKS : Printing : Design

PRINTING : Design : Education
Analysis and imagination in Swiss graphic design courses [Basle School of Arts & Crafts] E. Ruder & A. Hofman. Print in Britain, 15 (Feb 68) p.14-17. il.
New approaches to graphic design teaching. Brit. Printer, 81 (Mar 68) p.80-2. il.
PRINTING, Discharge : Cellulose acetate; Fabrics. See FABRICS; Cellulose acetate : Printing, Discharge

PRINTING, Dry offset
New horizons for offset-letterpress. M. Kerley. Brit. Printer, 81 (Jan 68) p.86-9

PRINTING, Dry offset : Plates
Photopolymer offset plate from Dupont. Brit. Printer, 81 (Oct 68) p.68-9. il.

PRINTING : Education
C. & G. introduces technician's course. Brit. Printer, 80 (Dec 67) p.71-2
New techniques demand new training methods. W.P. Jaspert. Print in Britain, 15 (Jan 68) p.14-15

PRINTING : Education : Projects
Project work in education and training. D.O. Bishop. Printing Technology, 11 (Dec 67) p.172-4

PRINTING : Education : Sandwich courses
Industrial training of sandwich course students in printing technology. D.G.A. Sanders. Printing Technology, 11 (Dec 67) p.168-71

PRINTING, Electrostatic
Electrostatic printing. J.W. Dyer. Brit. Ink Maker, 10 (May 68) p.141-4. il. refs.

PRINTING: Fabrics. See FABRICS : Printing

PRINTING : Facsimile manuscripts. See MANUSCRIPTS, Facsimile : Printing

PRINTING : Formes : Locking springs
Simple invention saves money [Nicholson & Sons (Printers' Suppliers Ltd.)] Brit. Printer, 81 (Sep 68) p.82-3. il.

PRINTING: Forms: Stationery. See STATIONERY : Forms: Printing

PRINTING : Impression
Science in printing. Pt.21: impression. L. Pateman. Brit. Printer, 81 (Sep 68) p.100+. il.

PRINTING : Industry
Awful gap between financial and technical management. W.P. Jaspert. Brit. Printer, 81 (Oct 68) p.94+

PRINTING : Industry .. Great Britain
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PRINTING : Inks
Printing ink: fact, function and fiction. F.W. Stoyle. Brit. Ink Maker, 10 (Feb 68) p.75+
Productivity in print: role of the inkmaker. P. Covell. Paint Technology, 32 (Jun 68) p.43-4

PRINTING : Inks : Colour fastness
Science in printing. Pt.23: lightfastness. P. Birkett. Brit. Printer, 81 (Nov 68) p.104+. il.

PRINTING : Inks : Education
Technical training for the ink industry. Brit. Ink Maker, 10 (Aug 68) p.193-5

PRINTING : Inks : Filters
Specifically about ink [Jenag strainer] E.A. Apps. Paint Technology, 32 (Apr 68) p.40-1. il.

PRINTING : Inks : History
Specifically about ink. E.A. Apps. Paint Technology, 32 (Jan 68) p.32-4

PRINTING : Inks : Manufactures .. Australia
Ink making in Australia. Brit. Ink Maker, 10 (Feb 68) p.92+. il.

PRINTING : Inks : Manufactures : Instruments
Employment of scientific instruments in ink making. G. Whitfield. Brit. Ink Maker, 10 (Nov 67) p.48+. il. refs.

PRINTING : Inks : Particle size determination : Gauges
Dimensional accuracy of fineness-of-grind gauges [PIRA] L.B. Wainwright. Brit. Ink Maker, 10 (Aug 68) p.202+. il. refs.

PRINTING : Inks : Pigments, Organic
Organic pigments have improved. F.M. Smith. Brit. Ink Maker, 10 (Aug 68) p.197-200. il.

PRINTING : Inks : Production .. Great Britain
Not only red, white & blue. F.W. Stoyle. Brit. Printer, 81 (May 68) suppt. p.S52-4

PRINTING : Inks : Research
Science in printing. Pt.22: analysing print problems. B.H. Davey. Brit. Printer, 81 (Oct 68) p.100+. il.

PRINTING : Inks : Research : International co-operation
Co-operation—a necessity for paint and printing ink research. H.K.R. Nielsen. J. of Oil & Colour Chemists' Ass., 51 (Jul 68) p.563-79

PRINTING : Inks : Solvents
Science in printing. Pt.19: which solvent? L.C. Young. Brit. Printer, 81 (Jul 68) p.96+. il.
Washing-up—old problems and new solutions. R.E. Whitworth. Litho Printer, 11 (Sep 68) p.42-4

PRINTING : Inks : Tack : Measurement : Instruments
Comparison of commercial tackmeters. G.R. South. Brit. Ink Maker, 10 (May 68) p.150+. refs.
Physical testing of printing ink. C.C. Mill. J. of Oil & Colour Chemists' Ass., 51 (Oct 68) p.861-74. refs.
Specifically about ink. E.A. Apps. Paint Technology, 32 (Sep 68) p.32-4. il.

PRINTING : Inks : Viscometers
Physical testing of printing ink. C.C. Mill. J. of Oil & Colour Chemists' Ass., 51 (Oct 68) p.861-74. refs.

PRINTING .. Japan
Japan — a new force in world printing. W.P. Jaspert. Brit. Printer, 81 (Mar 68) p.60-7. il.

PRINTING: Lists. See LISTS: Printing

PRINTING : Machines : Components : Machining : Control systems : Compilation : Computers : Programs
Preparation of machine control tapes with the aid of a computer [Miehle-Goss-Dexter, Ltd.] J.J. Marklew. Machinery, 112 (12 Jun 68) p.1124-9. il.

PRINTING : Machines, Flat bed cylinder
Development of the printing press. Pt.11: cylinder after Koening. J. Moran. Brit. Printer, 81 (May 68) p.62-3. il.

PRINTING : Machines .. Great Britain
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PRINTING : Machines : History
Development of the printing press. Pt.6: Koenig & the first printing machine. J. Moran. Brit. Printer, 80 (Dec 67) p.82-3. il.

PRINTING : Machines, Platen
Development of the printing press. Pt.7: improving the platen press. J. Moran. Brit. Printer, 81 (Jan 68) p.84-5.
Development of the printing press. Pt.10: jobbing platen press. J. Moran. Brit. Printer, 81 (Apr 68) p.80-1. il.

PRINTING : Machines, Rotary
Development of the printing press. Pt.9: evolution of the rotary, pt.2. J. Moran. Brit. Printer, 81 (Mar 68) p.68-9. il.

PRINTING : Machines, Rotary : History
Development of the printing press. Pt.8: evolution of the rotary, pt.1. J. Moran. Brit. Printer, 81 (Feb 68) p.90-1.

PRINTING : Machines, Rotary ,, Sheet fed
Offset-litho or wraparound? J.E.R. Fowkes. Brit. Printer, 81 (Aug 68) p.48-55. il.
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PRINTING : Machines, Rotary,, Web fed
Strachan & Henshaw web-fed letterpress machine. Brit. Printer, 80 (Dec 67) p.73-4. il.

PRINTING : Machines : Transport
Moving a printing works. Brit. Printer, 80 (Dec 67) p.87-91.

PRINTING : Man made fibres; Fabrics. See FABRICS; Man made fibres : Printing

PRINTING : Manpower
Manpower or brainpower?: statistical survey of recruitment for printing. J.E.R. Fowkes. Brit. Printer, 81 (Nov 68) p.82-5

PRINTING : Measurements : Metric system
Paper and print to go metric by December 1970. Brit. Printer, 80 (Dec 67) p.92+

PRINTING: Newspapers. See NEWSPAPERS: Printing

PRINTING : Organisations
Institute of Printing: six years of solid achievement. M.A. Smith. Brit. Ink Maker, 10 (Feb 68) p.89-91

PRINTING : Packaging materials. See PACKAGING : Materials : Printing

PRINTING : Paper : Absorption

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PRINTING : Paper, Chromo : Coatings

Modern trend in making chromo papers. Paper Maker, 155 (Apr 68) p.55+

PRINTING : Paper : Coating

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PRINTING : Paper : Coatings

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PRINTING : Paper : Colour : Measurement

Optical measurements on near-white papers. D.J. McConnell. Paper Technology, 9 (Oct 68) p.404-11. refs.

PRINTING : Paper : Cutting : Machines : Control systems

Progress in paper cutting [Pivano & Co., Italy] Brit. Printer, 81 (Jul 68) p.87+. il.

PRINTING : Paper, Lightweight

Printing lightweight paper. Brit. Printer, 81 (Jun 68) p.90-2. il.

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Measurements of the propagation component of radar tracking noise at a wavelength of 3cm. G.C. Evans & A.H. Shaw. Proc. of Instn. of Electrical Engrs., 115 (Oct 68) p.1431-8. refs.

RADAR, Secondary : Traffic control : Air transport. See AIR TRANSPORT : Traffic control : Radar, Secondary
RADAR : Traffic control : Air transport. See AIR TRANSPORT : Traffic control : Radar

RADAR : Troposphere research : Transmission : Radio. See RADIO : Transmission : Troposphere : Research : Radar
RADIAL DISC FLOWMETERS : Heat : Coal fired boilers : Heating: Houses. See HOUSES : Heating: Boilers, Coal fired : Heat : Flowmeters, Radial disc
RADIAL FLOW TANKS : Sedimentation. See SEDIMENTATION : Tanks, Radial flow

RADIAL GRATINGS : Error determination : Cutter–Work table orientation : Hobbing machines : Gears. See GEARS : Hobbing : Machines : Cutter–Work table orientation : Errors : Determination : Radial gratings
RADIAL GRATINGS: Moiré fringes: Interferometry: Strain analysis. See STRAIN ANALYSIS : Interferometry : Moiré fringes: Radial gratings
RADIAL PISTON PUMPS : Hydraulic machinery. See HYDRAULIC MACHINERY : Pumps, Radial piston
RADIAL PLY TYRES : Motor cars. See MOTOR CARS : Tyres, Radial ply
RADIANT HEATING : Effect on strain gauges : Aluminium alloys; Sheets : Wings : Aircraft. See AIRCRAFT : Wings : Sheets; Aluminium alloys : Strain gauges : Effect of heating, Radiant

RADIANT PANEL HEATING : Buildings. See BUILDINGS : Heating : Radiant panels
RADIANT PANEL HEATING : Factories. See FACTORIES : Heating, Radiant panel
RADIANT TUBE AIR HEATING : Foundries. See FOUNDRIES : Heating, Air,, Radiant tube
RADIANT TUBE AIR HEATING : Workshops : Coating. See COATING : Workshops : Heating, Air,, Radiant tube
RADIANT TUBE FURNACES : Heat treatment : Wires. See WIRES : Heat treatment : Furnaces, Radiant tube
RADIANT TUBE GAS FIRED FURNACES : Annealing : Steel; Files. See FILES; Steel : Annealing : Furnaces, Gas fired, Radiant tube

RADIATION CHEMISTRY
Related Headings:
RADIOLYSIS

RADIATION CHEMISTRY, Applied
What is radiation chemistry? R. Roberts. J. of Brit. Nuclear Energy Soc., 6 (Oct 67) p.295-300.

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Review of industrial radiation chemistry in the United States. B. Manowitz. J. of Brit. Nuclear Energy Soc., 6 (Oct 67) p.310-19. il. refs.

RADIATION PYROMETERS. See PYROMETERS, Radiation

RADIATION PYROMETERS : Temperature measurements : Hot extrusion : Aluminium. See ALUMINIUM : Extrusion, Hot : Temperature : Measurements : Pyrometers, Radiation

RADIATIONS
Related Headings :
INFRA-RED RADIATION
IRRADIATION
RADIOACTIVITY
RADIOGRAPHY
ULTRAVIOLET RADIATION
X-RAYS

RADIATIONS : Heat. See HEAT : Radiations

RADIATIONS : Heat : Tubes : Furnaces. See FURNACES : Tubes : Heat radiations

RADIATIVE CAPTURE : Fast neutrons. See NEUTRONS, Fast : Capture, Radiative

RADIATIVE CAPTURE : Intermediate neutrons : Plutonium-240 nuclei. See PLUTONIUM-240 : Nuclei : Intermediate neutron radiative capture

RADIATIVE LIFETIMES : Luminescence. See LUMINESCENCE : Radiative lifetimes

RADIATORS : Heat transfer
Elements of heating engineering. Pt.10: emission of heat to enclosures. J. McGarry. Heating & Ventilating Engr., 41 (Nov 68) p.228-32. il.

RADIATORS : Hot water : Heating : Housing. See HOUSING : Heating : Hot water : Radiators

RADIATORS (Lorries) Tanks, Header; Polypropylene, Moulded, Blow
AEC changes to a blow-moulded header tank [Hampshire Plastics Ltd] Plastics, 33 (Jan 68) p.82-3. il.

RADIATORS (Motor vehicles) Cleaning : Tanks : Evaporation : Barriers : Spheres ; Polypropylene
Ball blanket for hot processing tanks reduces costs and eliminates hazards [Allplas system] Light Production Engng., 6 (Sep 68) p.38-9. il.

RADIATORS (Motor vehicles) Manufactures
Flow line for the manufacture of vehicle radiators [Serck Radiators, Birmingham] Engineering, 205 (14 Jun 68) p.901-4. il.

RADIATORS; Steel : Dipping : Conveyors
Conveyorised dip plant for painting radiators [Hull Steel Radiators Ltd.] Industrial Finishing, 19 (Dec 67) p.23-4. il.

RADIATORS; Steel : Manufactures
Manufacture of radiators [Bekon-Bell Ltd., Verwood, Dorset] Heating & Ventilating Engr., 41 (Dec 67) p.309-10. il.
Radiator panels processed from coiled steel [Bekon-Bell Ltd, Verwood, Dorset.] Industrial Finishing, 20 (Jan 68) p.22+. il.

RADIATORS (Tractors) Manufactures : Transfer machines
Automatic manufacture and assembly of tractor radiators [Basildon Tractor Plant of Ford Co. Ltd.] Sheet Metal Industries, 45 (Aug 68) p.558-60. il.

RADICALS, Free. See FREE RADICALS

RADICALS, Free : Chemical reactions. See CHEMICAL REACTIONS : Free radicals

RADICALS, Free : Determination : Chars. See CHARS : Determination of free radicals

RADICALS, Free : Formation : Thermal decomposition : *N*-nitrosoacetanilide. See *N*-NITROSOACETANILIDE : Thermal decomposition : Free radical formation

RADICALS, Free : Initiators : Polybutadiene thioglycolic acid addition compounds production. See POLYBUTADIENE THIOGLYCOLIC ACID ADDITION COMPOUNDS : Production : Initiators : Free radicals

RADICALS, Free : Irradiation : Polythene. See POLYTHENE : Irradiation : Free radicals

RADII : Machining : Control systems : Programs
Taping point-to-point arcs. Metalworking Producton, 112 (20 Nov 68) p.43-5

RADIO
Related Headings :
CONTROL, Remote
DIRECTION FINDING
RADAR

RADIO–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

History

Transmission

Equipment
- *Amplifiers*
- *Power supplies*
- *Transmitters*
- *Receivers*
- *Transceivers*

Systems
- *V.L.F.*
- *L.F.*
- *M.F.*
- *H.F.*
- *V.H.F.*
- *Microwave*
- *U.H.F.*
- *S-band*
- *Single sideband*
- *Frequency modulation*
- *Frequency shift keying*
- *Stereo*
- *Amplitude modulation*
- *Wired*

Applications
- *Communications*
- *Ships*
  - *Warships*

Ancillaries
- *Studios*

RADIO : Aircraft. See AIRCRAFT : Radio

RADIO : Amplifiers, Linear
Economical five-band linear amplifier. P. Friend. Short Wave Magazine, 26 (Oct 68) p.472-4. il.

RADIO : Amplitude modulation
Case for a.m. or how to be old fashioned in good cause. W. Winder. Hi-Fi News, 13 (Feb 68) p.189
Monitoring the speech: discussing modulation generally and a useful monitor unit. Short Wave Magazine, 26 (May 68) p.140-2. il.

RADIO : Communications, H.F. : Aerials, Dipole,, Coaxial : Communications

Vertical aerial systems for the communication bands: materials, methods of mounting and a co-axial dipole for ten meters. A.D. Taylor. Short Wave Magazine, 26 (Jun 68) p.219-22. il.

RADIO : Communications, H.F. : Effect of sunspot cycles

Point-to-point review, 1967. D. Wilkinson. Wireless World, 73 (Feb 68) p.705-6

RADIO : Communications, H.F. : Receivers

Years ahead [GEC] Electrical & Electronics Manufacturer, 12 (Jan/Feb 68) p.39. il.

RADIO : Communications, H.F. : Receivers : Aerials : Arrays, Ring,, Wideband

Wideband circular array for h.f. communications. I.D. Longstaff & D.E.N. Davies. Radio & Electronic Engr., 35 (Jun 68) p.321-7. il. refs.

RADIO : Communications, H.F. : Receivers : Frequency synthesisers

Frequency synthesis in an h.f. receiver [G.E.C. Electronics type RC/410/R] Industrial Electronics, 6 (Feb 68) p.68. il.

RADIO : Communications, H.F. : Receivers, Transistor

PVR 800 high-frequency (3-30 MHz) radio receiver. K.G. Perkins & W.M. Davies. P.O. Electrical Engrs. J., 60 (Oct 67) p.204-9. il. refs.

RADIO : Communications, H.F. : Stations

New Bearley radio leads the world. P.O. Telecommunications J., 19 (Winter 67) p.17-19. il.

New Bearley receiving station. E.G. Bronsdon. P.O. Electrical Engrs. J., 61 (Jul 68) p.75-81. il. refs.

RADIO : Communications : History

55 years of radio. J. Scott-Taggart. International Broadcast Engr. (Jul 68) p.266+. il.

RADIO : Communications, Microwave

Better utilisation needed to reap economic benefit. P. Hawker. Electronics Weekly, (31 Jul 68) p.13-14. il.

RADIO : Communications, Microwave : Aerials, Horn,, Dual frequency

Dual-frequency-band horn-aerial systems. R.D. Gauntlett. P.O. Electrical Engrs. J., 60 (Oct 67) p.217-23. il. refs.

RADIO : Communications, Microwave : Equipment : Buyers' guides

Microwave equipment—directory of firms. Electronics Weekly (31 Jul 68) p.27-8

RADIO : Communications, Microwave.. Great Britain

Radio relay network will need new frequency bands. Electronics Weekly, (31 Jul 68) p.21. il.

RADIO : Communications, Microwave : Pulse code modulation

High-capacity systems ease congestion. C. Gannon. Electronics Weekly (31 Jul 68) p.20-1. il.

RADIO : Communications : Police. See POLICE : Communications : Radio

RADIO : Communications : Receivers

Eddystone essay competition—the winning paper: "What major developments are needed in the design of communication receivers to cover the increasingly stringent requirements of international amateur radio" B.G. Taylor. Short Wave Magazine, 26 (Mar 68) p.50-1

RADIO : Communications : Receivers : Amplifiers, I.F. : Breakthrough

Break-through problem: causes and cures in modern receivers. Short Wave Magazine, 25 (Dec 67) p.640-1. il.

RADIO : Communications : Receivers : Transistor circuits

More about solid-state modules. Pt.3: further applications of FET's and a transformerless AF amplifier. D.R. Dryden. Short Wave Magazine, 26 (Mar 68) p.16-17

Solid state modules, pt.2. D.R. Dryden. Short Wave Magazine, 25 (Feb 68) p.753-6. il.

Solid-state modules for valve replacement in communication receivers, pt.1. D.R. Dryden. Short Wave Magazine, 25 (Dec 67) p.614-17. il.

RADIO : Communications, Single sideband : Pulse code modulation

Single-sideband digital communications. R.T.A. Standford. Proc. of Instn. of Electrical Engrs., 114 (Dec 67) p.1825-30. il. refs.

RADIO : Communications : Transmitters : Control, Remote : Frequency shift keying

Remote control of radio communication systems, pt.1. J. Baguley. Electronic Engng., 40 (Sep 68) p.530-2. il.

Remote control of radio communication systems, pt.2. J. Baguley. Electronic Engng., 40 (Oct 68) p.542-6. il. refs.

RADIO : Communications : Tropospheric scatter

Troposcatter meets commercial communications need. B.J. Pleass. Electronics Weekly (31 Jul 68) p.18. il.

Tropospheric scatter surveys. E.W. Anderson. Point to Point Telecommunications, 12 (Jan 68) p.4-14. il. ref.

RADIO : Communications, V.H.F. : Artificial satellites : Ionosphere research. See IONOSPHERE : Research : Satellites, Artificial : Radio communications, V.H.F.

RADIO : Communications, V.H.F. : Oscillators, Crystal

Crystal-controlled 164 MHz oscillator/quadrupler. D. Singh & J. Garters. Electronic Engng., 39 (Dec 67) p.769-72. il.

RADIO : Communications, V.H.F. : Receivers, Mobile,, Transistor,, Planar; Silicon

Mobile 166MHz a.m. communications receiver. D. Singh. Mullard Technical Communications, 10 (Jan 68) p.14-29. refs.

RADIO : Equipment

Related Headings:

AERIALS
SATELLITES, Artificial,, Communication

RADIO : Equipment : Aircraft

Airline communications: long-range en-route communications. Aeroplane, 115 (20 Dec 67) p.25-6. il.

RADIO : Equipment : Buyers' guides

Broadcasting equipment directory. Electronics Weekly (24 Apr 68) p.25-6

RADIO, Frequency modulation

Brighter prospect for VHF'FM sound radio. L.W. Turner. Electronics Weekly (24 Apr 68) p.22. il.

Who will carve up the radio frequencies? P. Hawker. Electronics Weekly (17 Jan 68) p.16. il.

RADIO, Frequency modulation : Receivers : Preamplifiers, Aerial

FM signal boosting: principles, the advantages, the snags. G.J. King. Hi-Fi News, 13 (Dec 68) p.1475+

Holdings stereo booster. A. Uden. Hi-Fi News, 13 (May 68) p.618-21. il.

RADIO, Frequency modulation : Receivers : Tuners : Frequency stabilisers

Frequency lock for digital f.m. tuner. A. Simeon. Electronic Engng., 40 (Mar 68) p.150-3. ref.

RADIO, Frequency modulation : Receivers : Tuners, Semiconductor

F.m. tuner using integrated circuits. Wireless World, 74 (Nov 68) p.399. il.

RADIO, Frequency modulation : Receivers : Tuners : Transformers, Balancing

FM balun for fourpence h'penny. G. King. Hi-Fi News, 13 (Mar 68) p.304-5. il.

More about the balun: some finer points to note when dealing with fm tuners and their aerials. G. King. Hi-Fi News, 13 (Sep 68) p.1017+. il.

RADIO, Frequency modulation : Translators

New solid-state v.h.f. f.m-translator. N.E. Hveding. Sound & Vision Broadcasting, 8 (Winter 67) p.16-20. il.

RADIO, Frequency modulation : Transmitters

United States transmitter designs. International Broadcast Engr. (May 68) p.178-83. il.

RADIO, Frequency shift keying,, Speech compression : Reflection : Moon
Microwave Moon relay communication at high digit rates. M.A. Weston. Proc. of Instn. of Electrical Engrs., 115 (May 68) p.642-51. il. refs.

RADIO, H.F. : Mixers, Transistor
Signal processes in transistor mixer circuits at high frequencies. R.G. Meyer. Proc. of Instn. of Electrical Engrs., 114 (Nov 67) p.1605-12. il. refs.

RADIO, H.F. : Receivers : Converters
For better results on ten: converter for the main receiver. Short Wave Magazine, 25 (Dec 67) p.642-3. il.

RADIO, H.F. : Teleprinting. See TELEPRINTING : Radio, H.F.

RADIO, H.F. : Transmission : Ionosphere : Polarisation
Wave polarisation and its influence on the power available from a radio signal propagated through the ionosphere, pt.1. A.J.G. Moorat. Proc. of Instn. of Electrical Engrs., 115 (Jun 68) p.771-6. il. refs.
Wave polarisation and its influence on the power available from a radio signal propagated through the ionosphere, pt.2. P.A. Bradley. Proc. of Instn. of Electrical Engrs., 115 (Jun 68) p.777-81. il refs.

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Limiting polarisation of radio waves of medium and high frequency reflected from the ionosphere. P.A. Bradley. Proc. of Instn. of Electrical Engrs., 114 (Dec 67) p.1837-41. refs.

RADIO, H.F. : Transmission : Ionosphere : Twilight
Ground illumination by an h.f. transmitter through a twilight ionosphere. H.H. Inston & R.M. Jeffs. Proc. of Instn. of Electrical Engrs., 115 (Aug 68) p.1089-96. il. refs.

RADIO, H.F. : Transmission : Tropospheric scatter
'Thin line' tropospheric scatter. A.D. Currah. Point to Point Telecommunications, 12 (Jul 68) p.158-68. il. refs.

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Simple ten-meter transmitter: useful design for the beginner. Short Wave Magazine, 26 (May 68) p.159

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Wideband noise in h.f. transmitters. R.L.J. Awcock. Point-to-Point Telecommunications, 12 (Oct 68) p.213-19

RADIO, H.F. : Transmitters : Power supplies
Combined Tx/PSU for stand-by operation: practical equipment for the beginner. A.D. Taylor. Short Wave Magazine, 26 (Sep 68) p.407-9. il.

RADIO : History
Blumlein. R.H. Bomback. International Broadcast Engr. (Aug 68) p.299+
Work of Alan Blumlein. Brit. Kinematography Sound & Television, 50 (Jul 68) p.206-18. il.

RADIO : Interference : Measurement : Discharge detection : Electrical insulation. See INSULATION, Electrical : Discharge : Detection : Radio interference measurement

RADIO : Interferometers. See INTERFEROMETERS, Radio

RADIO. L.F. : Transmission : Ionosphere : D region : Electron density : Measurement
D region electron-density distributions from propagation data. W.C. Bain & B.R. May. Proc. of Instn. of Electrical Engrs., 114 (Nov 67) p.1593-7. il. refs.

RADIO, L.F. : Transmitters : Amplifiers, R.F.
Small PA anode efficiency: comparing rf amplifiers on the lf bands [160m & 80m] F.G. Rayer. Short Wave Magazine, 26 (May 68) p.139. il.

RADIO, M.F.: Motor cars. See MOTOR CARS : Radio, M.F.

RADIO, M.F. : Stations
Station control system. Short Wave Magazine, 26 (Jul 68) p.278-81. il.

RADIO, M.F. : Transceivers, Mobile
Home-built mobile for top band: transistorised receiver and valve transmitter—cheap design using simple circuitry. E.E. Meachen. Short Wave Magazine, 25 (Dec 67) p.624-7. il.

RADIO, M.F. : Transceivers : Modifications
19 set Mk.III Rx bandspread. F.G. Rayer. Short Wave Magazine, 26 (Apr 68) p.85+. il.

RADIO, M.F. : Transmission : Ionosphere : Polarisation, Limiting
Limiting polarisation of radio waves of medium and high frequency reflected from the ionosphere. P.A. Bradley. Proc. of Instn. of Electrical Engrs., 114 (Dec 67) p.1837-41. refs.

RADIO, M.F. : Transmitters
Practical top band transmitter circuits. F.G. Rayer. Short Wave Magazine, 25 (Feb 68) p.757-60. il.
Practical top band transmitter circuits. Pt.2. F.G. Rayer. Short Wave Magazine, 26 (Mar 68) p.18-20
Super power m.f. broadcast transmitter. J.D. Whatson & J.A. Brisbane. International Broadcast Engr. (Dec 67) p.394+. il. refs.

RADIO, M.F. : Transmitters : Aerials : Impedance matching, Stub
Three-band aerial system for 40-20-10 metres with stub matching. Short Wave Magazine, 25 (Jan 68) p.714-15

RADIO, M.F. : Transmitters : Amplifiers, R.F.
Small PA anode efficiency: comparing rf amplifiers on the lf bands [160m & 80m] R.G. Rayer. Short Wave Magazine, 26 (May 68) p.139. il.

RADIO, Microwave
Microwave communications (abstract) D.C.A. Connoly. Instn. of Electrical Engrs. Students Q.J., 38 (Dec 67) p.103-11. il.

RADIO, Microwave
Related Headings:
SATELLITES, Artificial,, Communication

RADIO, Microwave : Aerials
Related Headings:
AERIALS, Horn

RADIO, Microwave : Ports : Traffic control : Shipping. See SHIPPING : Traffic control : Ports : Radio, Microwave

RADIO, Microwave : Relay systems : Reliability
Reliability of microwave radio-relay systems. N.A. Elkins. P.O. Electrical Engrs. J., 61 (Oct 68) p.143-8

RADIO, Microwave : Relay systems : Switching circuits, I.F.
Intermediate-frequency switching systems for microwave radio-relay links. R.D. Martin-Royle. P.O. Electrical Engrs. J., 61 (Jul 68) p.110-18. il. refs.

RADIO : Navigation systems : Aircraft. See AIRCRAFT : Navigation systems : Radio

RADIO : Passenger ships. See SHIPS, Passenger : Radio

RADIO : Pills : Free arching studies : Hoppers. See HOPPERS : Free arching : Studies : Radio pills

RADIO : Power supplies
Useful double-HT PSU circuit giving two DC voltages from one transformer. Short Wave Magazine, 25 (Jan 68) p.683-4. il.

RADIO : Power supplies, Semiconductor
Semiconductor PSU with overload trip: considerations and circuitry. C. Sharpe. Short Wave Magazine, 25 (Dec 67) p.628-9. il.

RADIO : Receivers
Domestic receiver survey. Wireless World, 74 (Oct 68) p.338-45. il.

RADIO : Receivers : Detectors
How important is detection? alternative to the common envelope detector, using integrated circuits. R.C.V. Macario. Wireless World, 74 (Apr 68) p.52-7. il. refs.

RADIO : Receivers : Electron tubes : Cathodes : Electronic work functions

Measurement of contact potential and grid and cathode work functions in receiving valves. A.P. Oodan. Brit. J. of Applied Physics, 1 (Sep 68) p.1211-12

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Measurement of contact potential and grid and cathode work functions in receiving valves. A.P. Oodan. Brit. J. of Applied Physics, 1 (Sep 68) p.1211-12

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New radio-interference equipment vehicles. A.S. McLachlan & F.W. Gorman. P.O. Electrical Engrs. J., 61 (Apr 68) p.58-63. il.

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Variations on the He-30 theme. R.W. Bunney. Short Wave Magazine, 26 (Nov 68) p.545-6

RADIO : Receivers : Motor cars

Radiomobile 970 car radio and car tape recorder. Motor (8 May 68) p.53. il.

RADIO : Receivers : Noise figure : Measurements : Waveforms, Sinusoidal

A.m. receiver noise factor measurements using sinewave test signals. J.F. Golding. Electronic Engng., 40 (Aug 68) p.420-2

RADIO : Receivers : Preselectors

General-coverage preselector: three stages—low-impedance output—ten metres to top band. P.D.G. Milloy. Short Wave Magazine, 26 (Mar 68) p.23-5. il.

RADIO : Receivers : Servicing

Getting the best from an old receiver; practical suggestions for methodical maintenance procedure. A.D. Taylor. Short Wave Magazine, 26 (Mar 68) p.21-2

RADIO : Receivers : Testing : Signal generators : Impedance matching

R.F. signal source impedance. J.F. Golding. Electronic Engng., 40 (Mar 68) p.132-6. refs.

RADIO, S-Band : Transmission : Tropospheric scatter

Observations of tropospheric-scatter path loss at C band frequencies and meteorological conditions in Cyprus. T.K. Fitzsimons. Proc. of Instn. of Electrical Engrs., 115 (Jul 68) p.898-902. refs.

RADIO (Ships) Single sideband : Receivers

Design of an m.f. and h.f., s.s.b spot-frequency receiver for mercantile marine use. K.H. Barratt. Point-to-Point Telecommunications, 12 (Oct 68) p.254-64

RADIO, Single sideband,, H.F. : Transceivers : Converters

HF band transverter. B.A. Watling. Short Wave Magazine, 25 (Jan 68) p.678-82. il.

RADIO, Single sideband : Transmitters

Notes on the KW Vespa. Short Wave Magazine, 26 (Aug 68) p.358-60. il.

RADIO, Single sideband,, V.H.F.

Going sideband on vhf. T.P. Douglas. Short Wave Magazine, 25 (Jan 68) p.684-8. il.

RADIO, Single sideband,, V.H.F. : Transceivers : Converters

Practical two-meter SSB transverter. Pt.1 : design, circuitry and alignment. A.H. Dormer. Short Wave Magazine, 26 (Jul 68) p.268-73. il.

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Simplified transverter for the two-metre band. P.W. Waters. Short Wave Magazine, 26 (Sep 68) p.411-12. il.

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F.M. stereo broadcasting in Europe. A.H. Uden. Hi-Fi News, 13 (May 68) p.567+

RADIO : Studios : Sound control systems

NRKV sound control system. R. Andersen, A. Daasnes, J. Skovholt & K. Kurland. International Broadcast Engr. (May 68) p.198-201. il.

RADIO : Telegraphy links. See TELEGRAPHY : Radio links

RADIO : Telephony. See TELEPHONY : Radio links

RADIO : Telephony : Commercial vehicles. See VEHICLES, Commercial : Telephony : Radio

RADIO : Telephony : Communications engineering : Railways. See RAILWAYS : Communications engineering : Telephony, Radio

RADIO : Telephony : Ports : Traffic control : Shipping. See SHIPPING : Traffic control : Ports : Telephony : Radio links

RADIO : Telephony : Traffic control : Buses. See BUSES : Traffic control : Telephony : Radio

RADIO : Teleprinting. See TELEPRINTING : Radio

RADIO : Transceivers

Considering the Hallicrafters SR-400. Short Wave Magazine, 26 (Oct 68) p.479-83. il.

RADIO : Transmission

Service of broadcasting: some technical requirements for the reception of sound broadcasting including transmission from earth satellites. R.A. Rowden. Radio & Electronic Engr., 35 (Apr 68) p.237-44. refs.

RADIO : Transmission : Atmosphere : Refractive index : Irregularities : Effect of frequency : Calculation : Rytov method

Correlation of signal fluctuations at two frequencies in propagation through an irregular medium. E.N. Bramley. Proc. of Instn. of Electrical Engrs., 115 (Oct 68) p.1439-42. refs.

RADIO : Transmission : Atmospheric noise : Lightning : Surveys : Satellites, Artificial : Electronic equipment

Satellite-borne equipment for a global survey of terrestrial radio noise. B.N. Harden & V.A.W. Harrison. Radio & Electronic Engr., 35 (Mar 68) p.125-33. il. refs.

RADIO : Transmission.. Great Britain

Aspect survey on broadcasting: massive workload outweights the planning pitfalls. P. Hawker. Electronics Weekly (24 Apr 68) p.15-16. il.

RADIO : Transmission : Ionosphere : Back scatter : Field strength

Field strength predictions for back-scatter ionospheric sounding. L.W. Barclay. Marconi Rev., 31 no.168 (1st Quarter) p.32-42. refs.

RADIO : Transmission : Programmers

Push-button broadcasting. International Broadcast Engr. (Feb 68) p.68+. il.

RADIO : Transmission : Troposphere : Refraction : Determination : Radiosondes : Psychrometers

Psychrometer radiosonde developed for determining radio refractive index as a function of height. M.P.M. Hall & G.W. Gardiner. J. of Scientific Instruments, 1 (Apr 68) p.401-5. il. refs.

RADIO : Transmission : Troposphere : Refractive index

Small-scale variations of radio refractive index in the troposphere. Pt.2: spectral characteristics. J.A. Lane & G.W. Paltridge. Proc. of Instn. of Electrical Engrs., 115 (Sep 68) p.1235-9. refs.

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GAMMA IRRADIATION
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NUCLEAR ENERGY
NUCLEAR REACTORS
RADIOGRAPHY
RADIOISOTOPES
TRANSURANIUM ELEMENTS

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RADIOISOTOPES : Width control : Collapsible plastic tube manufactures : Packaging See PACKAGING : Tubes; Plastics,, Collapsible : Manufactures : Width control : Radioisotopes

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RADIOLYSIS : Methane; Inhibitors : Oxidation : Graphite; Moderators : Gas cooled nuclear reactors. See NUCLEAR REACTORS, Gas cooled : Moderators; Graphite : Oxidation : Inhibitors; Methane : Radiolysis

RADIOMETERS : Chemiluminescence measurements : Upper atmosphere. See ATMOSPHERE, Upper : Chemiluminescence : Measurements : Radiometers

RADIOMETERS : Factories. See FACTORIES : Radiometers

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RADIOMETERS : Operating theatres : Hospitals. See HOSPITALS : Operating theatres : Radiometers

RADIOSONDES. See BALLOONS, Meteorology

RADIOTHERAPY UNITS; Concrete : Hospitals. See HOSPITALS : Radiotherapy units; Concrete

RADLETT
See
HOUSING .. Radlett

RADOMES; Epoxy resin–Polyester : Supersonic aircraft. See AIRCRAFT, Supersonic : Radomes; Epoxy resin–Polyester

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RAILS : Permanent way. See PERMANENT WAY : Rails

RAILS; Steel : Permanent way. See PERMANENT WAY : Rails; Steel

RAILTON STRAIGHT EIGHT MOTOR CARS. See MOTOR CARS, Types, Railton Straight Eight

RAILWAY–COMMERCIAL VEHICLES : Transport : Freight. See FREIGHT : Transport : Road vehicles–Railway services

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Related Headings:
MONORAILS
ROLLING STOCK

TRAINS

RAILWAYS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Particular localities
  - *Great Britain*
    - England
      - *London*
      - *Harwich*
      - *Cornwall*
      - *Bristol–Gloucester*
      - *West Midlands*
      - *Birmingham*
      - *Manchester*
      - *Lincolnshire*
    - Scotland
      - *Glasgow*
  - *Ireland*
  - Europe
    - *France*
      - *Paris*
    - *Corsica*
    - *West Germany*
      - *Dusseldorf*
      - *Frankfurt*
      - *Mainz*
    - *Switzerland*
      - *St. Gotthard*
      - *Berne–Simplon*
    - Italy
      - *Milan*
    - *Sweden*
  - Asia
    - *Instanbul–Singapore*
    - *India*
    - *West Pakistan*
    - *Hong Kong*
    - *Japan*
  - North America
    - U.S.A.
      - *Washington, D.C.*
      - *New York*
      - *Chicago*
    - *Canada*
      - *Montreal*
  - Australia
    - *Victoria*
    - *New South Wales*

RAILWAYS–SUBHEADINGS–Synopsis–cont.

- Australia–*cont.*
    - *Western Australia*
  - *New Zealand*

- *Education*
- *Research*
  - *Laboratories*

- Problems
  - *Accidents*
    - *Collisions*
  - *Snow clearance*
- Operation

  - Booking systems
    - *Seat reservations*
    - *Fares*
- Equipment
  - *Communications engineering*
    - *Signalling systems*
    - *Telephony*
  - *Computers*
  - *Control systems*
  - *Electrical machinery*
  - Vehicles
    - *Wagons*
  - Structures
    - *Stations*
    - *Bridges*
    - *Tunnels*
  - Facilities
    - *Marshalling yards*
    - *Crossings*
    - *Level crossings*

- Types
  - *Narrow gauge*
  - *Electric*
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  - *Underground*
  - *Rack*
  - *Military*
- Special applications
  - *Airports*

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- ALUMINOSILICATES : Fibres : Refractories
- BERYLLIA
- CERMETS
- CHROME–MAGNESITE : Refractories
- FERRIC OXIDE–FERROUS OXIDE–LIME
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- CRYOGENICS
- FREEZE DRIED
- FREEZE DRYING
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REFRIGERATORS
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FREEZERS

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REFRIGERATORS (Cold stores) Condensers
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REFRIGERATORS : Compressors, Helical
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REFRIGERATORS : Compressors, Hermetic : Electric motors : Cooling
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REFRIGERATORS, Rotary : Sea food. See SEA FOOD : Refrigerators, Rotary

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RIVETS : Linings : Clutches : Motor cars. See MOTOR CARS : Clutches : Linings : Rivets
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ROAD TANKERS : Transport : Animal feedingstuffs. See ANIMAL FEEDINGSTUFFS : Transport : Tankers, Road
ROAD TANKERS : Transport : Beer. See BEER : Transport : Tankers, Road
ROAD TANKERS : Transport : Flour. See FLOUR : Transport : Tankers, Road
ROAD TANKERS : Transport : Invert sugar. See SUGAR, Invert : Transport : Tankers, Road
ROAD TANKERS : Transport : Liquefied gases. See GASES, Liquefied : Transport : Tankers, Road
ROAD TANKERS : Transport : Liquefied natural gas. See GAS, Natural ,, Liquefied : Transport : Tankers, Road
ROAD TANKERS : Transport : Powders. See POWDERS : Transport : Tankers, Road
ROAD TANKERS : Transport : Syrup : Glucose. See GLUCOSE : Syrup : Transport : Tankers, Road
ROAD TESTS : A.C. 428 motor cars. See MOTOR CARS, Types, A.C. 428 : Road tests

ROAD TESTS : A.E.C. Mandator–Boden Mk.3 articulated motor vehicles. See MOTOR VEHICLES, Articulated, Types, A.E.C. Mandator–Boden Mk.3 : Road tests
ROAD TESTS : Alfa Romeo 1750 GTV motor cars. See MOTOR CARS, Types, Alfa Romeo 1750 : GTV : Road tests
ROAD TESTS : Alfa Romeo 1750 motor cars. See MOTOR CARS, Types, Alfa Romeo 1750 : Road tests
ROAD TESTS : Alfa Romeo Berlina 1750 motor cars. See MOTOR CARS, Types, Alfa Romeo Berlina : 1750 : Road tests
ROAD TESTS : Alfa Romeo Giulia GTV motor cars. See MOTOR CARS, Types, Alfa Romeo Giulia : GTV : Road tests
ROAD TESTS : Aston Martin BDS motor cars. See MOTOR CARS, Types, Aston Martin BDS : Road tests
ROAD TESTS : Aston Martin DB5 motor cars. See MOTOR CARS, Types, Aston Martin DB5 : Road tests
ROAD TESTS : Austin 250 JU vans. See VANS, Types, Austin 250 JU : Road tests

ROAD TESTS : Austin 1800 MK.2 motor cars. See MOTOR CARS, Types, Austin 1800 : Mk.2 : Road tests

ROAD TESTS : Austin Gipsy 15 cwt vans. See VANS, Types, Austin Gipsy : 15 cwt : Road tests

ROAD TESTS : Austin Mini Mk.2 1000 Automatic cars. See MOTOR CARS : Types : Austin Mini : Mk.2 1000 Automatic : Road tests

ROAD TESTS : Auto Union Audi Variant 80 estate cars. See ESTATE CARS, Types, Auto Union Audi : Variant 80 : Road tests

ROAD TESTS : B.M.C. EA vans. See VANS, Types, B.M.C. EA : Road tests

ROAD TESTS: B.M.C. Unipower cars. See MOTOR CARS, Types, B.M.C. Unipower: Road tests

ROAD TESTS : B.M.W. 2000 CS MOTOR CARS. See MOTOR CARS, Types, B.M.W. 2000 : CS : Road tests

ROAD TESTS : B.M.W.2002 cars. See MOTOR CARS, Types, B.M.W.2002 : Road tests

ROAD TESTS : B.S.A. A65T Thunderbolt motor cycles. See MOTOR CYCLES, Types, B.S.A. A65T Thunderbolt : Road tests

ROAD TESTS : B.S.A. D14/4 Bantam motor cycles. See MOTOR CYCLES, Types, B.S.A. D14/4 Bantam : Road tests

ROAD TESTS : B.S.A. Rocket 3 motor cycles. See MOTOR CYCLES, Types, B.S.A. Rocket 3 : Road tests

ROAD TESTS : Buses. See BUSES : Road tests

ROAD TESTS : Cadillac Coupe De Ville motor cars. See MOTOR CARS, Types, Cadillac Coupe De Ville : Road tests

ROAD TESTS : Chrysler Plymouth Fury Mk.3 motor cars. See MOTOR CARS, Types, Chrysler Plymouth Fury : Mk.3: Road tests

ROAD TESTS : Citroen Pallas DS21 cars. See MOTOR CARS, Types, Citroen Pallas : DS21 : Road tests

ROAD TESTS : Commercial vehicles. See VEHICLES, Commercial : Road tests

ROAD TESTS : Daf 55 cars. See MOTOR CARS, Types, Daf 55 : Road tests

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ROAD TESTS : Fiat 124 Sports Coupe motor cars. See MOTOR CARS, Types, Fiat 124 : Sports Coupe : Road tests

ROAD TESTS : Fiat 125 cars. See MOTOR CARS, Types, Fiat 125 : Road tests

ROAD TESTS : Fiat 850 conversion motor cars. See MOTOR CARS, Types, Fiat 850 : Conversions : Road tests

ROAD TESTS : Fiat 850 Special motor cars. See MOTOR CARS, Types, Fiat 850 Special : Road tests

ROAD TESTS : Ford Cortina 1300 De Luxe motor cars. See MOTOR CARS, Types, Ford Cortina :. 1300 De Luxe : Road tests

ROAD TESTS : Ford Cortina 1600E cars. See MOTOR CARS, Types, Ford Cortina : 1600E : Road tests

ROAD TESTS : Ford Cortina 1600E conversions : Motor cars. See MOTOR CARS, Types, Ford Cortina : 1600E : Conversions : Road tests

ROAD TESTS : Ford Cortina GT estate cars. See ESTATE CARS, Types, Ford Cortina : GT : Road tests

ROAD TESTS : Ford D300–Hands articulated motor vehicles. See MOTOR VEHICLES, Articulated, Types, Ford D300–Hands : Road tests

ROAD TESTS : Ford D300–Hands BSSF articulated vehicles. See MOTOR VEHICLES, Articulated, Types, Ford D300–Hands BSSF : Road tests

ROAD TESTS : Ford D1000–York SL30 articulated vehicles. See MOTOR VEHICLES, Articulated, Types, Ford D1000–York SL30 : Road tests

ROAD TESTS: Ford Escort 1100 Super cars. See MOTOR CARS, Types, Ford Escort : 1100 Super : Road tests

ROAD TESTS : Ford Escort Twin Cam motor cars. See MOTOR CARS, Types, Ford Escort : Twin Cam : Road tests

ROAD TESTS : Ford Escort vans. See VANS, Types, Ford Escort : Road tests

ROAD TESTS : Ford Transit Automatic vans. See VANS, Types, Ford Transit : Automatic : Road tests

ROAD TESTS : Honda 125 Super Sport motor cycles. See MOTOR CYCLES, Types, Honda 125 Super Sport : Road tests

ROAD TESTS : Honda N360 motor cars. See MOTOR CARS, Types, Honda N360 : Road tests

ROAD TESTS : Honda N600 motor cars. See MOTOR CARS, Types, Honda N600 : Road tests

ROAD TESTS: Jaguar 240 cars. See MOTOR CARS, Types, Jaguar 240: Road tests

ROAD TESTS : Jaguar E Type motor cars. See MOTOR CARS, Types, Jaguar E Type : Road tests

ROAD TESTS : Jawa motor cycles. See MOTOR CYCLES, Types, Jawa : Road tests

ROAD TESTS : Jensen FF motor cars. See MOTOR CARS, Types, Jensen FF : Road tests

ROAD TESTS : Lancia Fulvia Coupé Rallye 1.3 motor cars. See MOTOR CARS, Types, Lancia Fulvia : Coupé Rallye 1.3: Road tests

ROAD TESTS : Lancia Fulvia Rallye motor cars. See MOTOR CARS, Types, Lancia Fulvia : Rallye : Road tests

ROAD TESTS : Land Rover estate cars. See ESTATE CARS, Types, Land Rover : Road tests

ROAD TESTS : Lotus Elan +2 motor cars. See MOTOR CARS, Types, Lotus Elan +2 : Road tests

ROAD TESTS : Lotus Elan SE coupé cars. See MOTOR CARS, Types, Lotus Elan : SE coupé : Road tests

ROAD TESTS : Lotus Europa motor cars. See MOTOR CARS, Types, Lotus Europa : Road tests

ROAD TESTS : Lotus Europa S2 motor cars. See MOTOR CARS, Types, Lotus Europa : S2 : Road tests

ROAD TESTS : M.G. 1300 Mk.2 motor cars. See MOTOR CARS, Types, M.G. 1300 : Mk.2 : Road tests

ROAD TESTS : M.G. MGC 2+2 motor cars. See MOTOR CARS, Types, M.G. MGC : 2+2 : Road tests

ROAD TESTS : Magirus 210D–York articulated motor vehicles. See MOTOR VEHICLES, Articulated, Types, Magirus 210D–York : Road tests

ROAD TESTS : Marcos 1600 GT motor cars. See MOTOR CARS, Types, Marcos 1600 : GT : Road tests

ROAD TESTS : Mazda 110S cars. See MOTOR CARS, Types, Mazda 110S : Road tests

ROAD TESTS : Mazda 1500 motor cars. See MOTOR CARS, Types, Mazda 1500 : Road tests

ROAD TESTS : Mercedes-Benz 280 S cars. See MOTOR CARS, Types, Mercedes-Benz 280S : Road tests

ROAD TESTS : Mercedes-Benz 300 SEL motor cars. See MOTOR CARS, Types, Mercedes-Benz 300SEL : Road tests

ROAD TESTS : Mercedes-Benz L406D lorries. See LORRIES, Types, Mercedes-Benz L406D : Road tests

ROAD TESTS : Mercedes-Benz L508D lorries. See LORRIES, Types, Mercedes-Benz L508D : Road tests

ROAD TESTS : Mercedes-Benz LP808 lorries. See LORRIES, Types, Mercedes-Benz LP808 : Road tests

ROAD TESTS : Mitsubishi Colt 1100 motor cars. See MOTOR CARS, Types, Mitsubishi Colt : 1100 : Road tests

ROAD TESTS : Mitsubishi Colt 1100F motor cars. See MOTOR CARS, Types, Mitsubishi Colt : 1100F : Road tests

ROAD TESTS : Morgan Plus 8 motor cars. See MOTOR CARS, Types, Morgan Plus 8 : Road tests

ROAD TESTS : Morris 1300 Mk.2 Super De Luxe motor cars. See MOTOR CARS, Types, Morris 1300 : Mk.2 : Super De Luxe : Road tests

ROAD TESTS : Morris 1800 De Luxe Mk.2 cars. See MOTOR CARS, Types, Morris 1800 : De Luxe Mk.2 : Road tests

ROAD TESTS : Morris Mini Mk.2 1000 Super cars. See MOTOR CARS, Types, Morris Mini : Mk.2 1000 Super : Road tests

ROAD TESTS : Motor cars. See MOTOR CARS : Road tests

ROAD TESTS : Motor vehicles. See MOTOR VEHICLES : Road tests

ROAD TESTS : N.S.U. 1200C cars. See MOTOR CARS, Types, N.S.U. 1200C : Road tests

ROAD TESTS : N.S.U. Ro80 cars. See MOTOR CARS, Types, N.S.U. Ro80 : Road tests

ROAD TESTS : N.S.U. Super Prinz motor cars. See MOTOR CARS, Types, N.S.U. Super Prinz : Road tests

ROAD TESTS : Norton Commando motor cycles. See MOTOR CYCLES, Types, Norton Commando : Road tests

ROAD TESTS : Opel Commodore Coupé motor cars. See MOTOR CARS, Types, Opel Commodore : Coupé : Road tests

ROAD TESTS : Opel Olympia Coupé motor cars. See MOTOR CARS, Types, Opel Olympia : Coupé : Road tests

ROAD TESTS : Peugeot 204 Coupé motor cars. See MOTOR CARS, Types, Peugeot 204 : Coupé : Road tests

ROAD TESTS : Porsche 911E Sportomatic motor cars. See MOTOR CARS, Types, Porsche 911E : Sportomatic : Road tests

ROAD TESTS : Porsche 911 L Sportomatic motor cars. See MOTOR CARS, Types, Porsche 911 : L : Sportomatic : Road tests

ROAD TESTS: Puch M125 motor cycles. See MOTOR CYCLES, Types, Puch M125: Road tests

ROAD TESTS : Reliant Rebel estate cars. See ESTATE CARS, Types, Reliant Rebel : Road tests

ROAD TESTS : Reliant Regal 21E/700 three wheeler motor cars. See MOTOR CARS, Three wheeler, Types, Reliant Regal 21E/700 : Road tests

ROAD TESTS : Reliant Scimitar GT estate cars. See ESTATE CARS, Types, Reliant Scimitar GT : Road tests

ROAD TESTS : Reliant Scimitar motor cars. See MOTOR CARS, Types, Reliant Scimitar : Road tests

ROAD TESTS : Reliant Supervan 3 vans. See VANS, Types, Reliant Supervan 3 : Road tests

ROAD TESTS : Renault 4 de luxe motor cars. See MOTOR CARS, Types, Renault 4 : De luxe : Road tests

ROAD TESTS : Renault 8 motor cars. See MOTOR CARS, Types, Renault 8 : Road tests

ROAD TESTS : Renault 16 TS motor cars. See MOTOR CARS, Types, Renault 16: TS: Road tests

ROAD TESTS : Rolls Royce Silver Shadow motor cars. See MOTOR CARS, Types, Rolls Royce Silver Shadow : Road tests

ROAD TESTS : Rover 2000 motor cars. See MOTOR CARS, Types, Rover 2000 : Road tests

ROAD TESTS : Rover Three Thousand Five motor cars. See MOTOR CARS, Types, Rover Three Thousand Five : Road tests

ROAD TESTS : Scammell Trunker Mk.2–Scammell Challenger articulated motor vehicles. See MOTOR VEHICLES, Articulated, Types, Scammell Trunker Mk.2–Scammell Challenger : Road tests

ROAD TESTS : Simca 1100 GLS motor cars. See MOTOR CARS, Types, Simca 1100 : GLS : Road tests

ROAD TESTS : Singer Vogue Mk.2 motor cars. See MOTOR CARS, Types, Singer Vogue : Mk.2 : Road tests

ROAD TESTS : Skoda 1100 MB motor cars. See MOTOR CARS, Types, Skoda 1100 : MB : Road tests

ROAD TESTS : Standard Triumph 13/60 cars. See MOTOR CARS, Types, Standard Triumph 13/60 : Road tests

ROAD TESTS : Standard Triumph 13/60 Convertible cars. See MOTOR CARS, Types, Standard Triumph 13/60 : Convertible : Road tests

ROAD TESTS : Standard Triumph 1300 TC cars. See MOTOR CARS, Types, Standard Triumph 1300 : TC : Road tests

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ROAD TESTS : Standard Triumph 2000 Overdrive cars. See MOTOR CARS, Types, Standard Triumph 2000 : Overdrive : Road tests

ROAD TESTS : Standard Triumph TR5 motor cars. See MOTOR CARS, Types, Standard Triumph TR5: Road tests

ROAD TESTS : Sunbeam Rapier cars. See MOTOR CARS, Types, Sunbeam Rapier : Road tests

ROAD TESTS : Sunbeam Stiletto cars. See MOTOR CARS, Types, Sunbeam Stiletto : Road tests

ROAD TESTS : T.V.R. Vixen motor cars. See MOTOR CARS, Types, T.V.R. Vixen : Road tests

ROAD TESTS : Toyota Corolla De Luxe motor cars. See MOTOR CARS, Types, Toyota Corolla : De Luxe : Road tests

ROAD TESTS : Triumph T100T Daytona motor cycles. See MOTOR CYCLES, Types, Triumph T100T Daytona : Road tests

ROAD TESTS : Vanden Plas Princess R cars. See MOTOR CARS, Types, Vanden Plas Princess : R : Road tests

ROAD TESTS : Vauxhall Ventora cars. See MOTOR CARS, Types, Vauxhall Ventora : Road tests

ROAD TESTS : Vauxhall Victor 2000 Automatic estate cars. See ESTATE CARS, Types, Vauxhall Victor : 2000 : Automatic : Road tests

ROAD TESTS : Vauxhall Victor 2000 cars. See MOTOR CARS, Types, Vauxhall Victor : 2000 : Road tests

ROAD TESTS : Vauxhall Viva GT motor cars. See MOTOR CARS, Types, Vauxhall Viva : GT : Road tests

ROAD TESTS : Vauxhall Viva SL90 estate cars. See ESTATE CARS, Types, Vauxhall Viva : SL90 : Road tests

ROAD TESTS : Volkswagen 1 ton vans. See VANS, Types, Volkswagen 1 ton : Road tests

ROAD TESTS : Volkswagen 411L motor cars. See MOTOR CARS, Types, Volkswagen 411L : Road tests

ROAD TESTS : Volkswagen 1500 Semi-automatic cars. See MOTOR CARS, Types, Volkswagen 1500 : Semi-automatic : Road tests

ROAD TESTS : Volkswagen 1600 TL Automatic cars. See MOTOR CARS, Types, Volkswagen 1600 : TL Automatic : Road tests

ROAD TESTS : Volvo 122 S B18 cars. See MOTOR CARS, Types, Volvo 122 : S B18 : Road tests

ROAD TESTS : Volvo 145 S estate cars. See ESTATE CARS, Types, Volvo 145 : S : Road tests

ROAD TESTS : Volvo 145 motor cars. See MOTOR CARS, Types, Volvo 145 : Road tests

ROAD TESTS : Volvo FB88–Hands articulated motor vehicles. See MOTOR VEHICLES, Articulated, Types, Volvo FB88–Hands : Road tests

ROAD TESTS : Wartburg Knight estate cars. See ESTATE CARS, Types, Wartburg Knight : Road tests

ROAD TESTS : Yamaha motor cycles. See MOTOR CYCLES, Types, Yamaha : Road tests

ROAD TESTS : Yamaha YAS1 motor cycles. See MOTOR CYCLES, Types, Yamaha YAS1 : Road tests

ROAD TRANSPORT INDUSTRY TRAINING BOARD

Problems for the Training Board. 'Janus'. Commercial Motor, 127 (17 May 68) p.70

ROAD VEHICLE–FERRY SERVICES : Transport : Freight.
See FREIGHT : Transport : Road vehicle–Ferry services

ROADS

Efficiency in roadworks (extracts) H. Criswell. Roads & Road Construction, 46 (Aug 68) p.256-62

Public inquiries blocking road programme: metrication means more staff (summary) H. Criswell. Contract J., 224 (18 Jul 68) p.281-2

ROADS

Related Headings:

- ALLEYS
- FLYOVERS
- FOOTWAYS
- MOTORWAYS
- STREETS
- TRAFFIC ENGINEERING
- UNDERPASSES

ROADS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Particular localities
  - *Great Britain*
    - South Eastern England
      - *London*
      - *Bracknell*
      - *Portsmouth*
      - *Luton*
    - Western England
      - *Long Ashton*
      - *Chippenham*
      - *Gloucestershire*
    - Midlands
      - *Corby*
      - *Long Bennington*
      - *Bedworth*
      - *Birmingham*
    - *Northern England*
      - *Hull*
    - Wales
      - *Abergele*
    - *Scotland*
      - *Edinburgh*
      - *Glasgow*
    - Northern Ireland
      - *Antrim County*
  - Europe
    - *France*
    - Switzerland
      - *St. Gotthard*
    - *Sweden*
  - U.S.A.
    - *Michigan*
  - Australia
    - *New South Wales*
    - *Western Australia*

- *Research*

- Properties
  - *Elasticity*
  - *Temperature*

- Problems
  - *Vegetation control*

ROADS–SUBHEADINGS–Synopsis–cont.

- Technical activities
  - *Measurements*
  - *Planning*
  - *Design*
  - *Landscaping*
  - *Construction*
    - *Excavation*
    - *Pavers*
  - *Conversion from permanent way*
  - *Maintenance*
  - *Repair*
  - *Drainage*
  - *Heating*
  - *Cleansing*
  - *Snow clearance*

- *Materials*
  - *Stone*
    - *Granite*
  - *Concrete*
  - *Tar*
  - *Bitumen*
  - *Soil*
  - *Sand*
  - *Gravel*

- Structural elements
  - *Basecourses*
  - *Surfaces*
  - *Embankments*

- Plan & design elements
  - *Curves*
  - *Intersections*
  - *Roundabouts*
  - *Lay-bys*
  - *Signs*
  - *Markings*

- Types of roads
  - *Elevated*

- Road use
  - *Town & country planning*
    - *Town planning*
    - *New towns*
  - *Transport*
    - *Haulage*
    - *Traffic*
      - *Safety*
        - *Accidents*

ROADS .. Abergele

Abergele–Llanddulas by-pass. Surveyor, 131 (24 May 68) p.19+. il.

Abergele–Llanddulas by-pass: piling difficulties overcome with 6 months in hand. Roads & Road Construction, 46 (Jul 68) p.196-200. il.

Ground problems on coastal by-pass [Abergele–Llanddulas bypass: A55] Contract J., 223 (6 Jun 68) p.639+. il.

ROADS : Accidents

Accidents—going down. Motor (24 Apr 68) p.43

Before-and-after studies of road accidents. J.J. Leeming. J. of Instn. of Highway Engrs., 15 (Feb 68) p.5-11. refs.

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Road accidents: November casualty figures showed 13p.c. drop. Brewing Trade Rev., 82 (Mar 68) p.206-7

Stevenage traffic accident survey. E. Caxton. Surveyor, 131 (17 Feb 68) p.32-3

ROADS, Accidents—*cont.*

Variations in the pattern of accident rates in different countries and their causes. R.J. Smeed. Traffic Engng. & Control, 10 (Nov 68) p.364-71

ROADS : Accidents : Analysis : Computers

Accident analysis in Hertfordshire. J.R. Steel & P.R.B. Wren. J. of Instn. of Highway Engrs., 15 (Jan 68) p.21-8. il.

ROADS : Accidents : Costs : Effect of street lighting

Influence of lighting on cost of road accidents. G. Berry. Traffic Engng. & Control, 9 (Jan 68) p.450-1

ROADS : Accidents : Effect of road design

Road design and traffic safety: report from U.S.S.R. V.F. Babkov. Traffic Engng. & Control, 10 (Sep 68) p.236-9. refs.

ROADS : Accidents : Ergonomics

Human factors in the control of road vehicles. I.D. Brown. Electronics & Power, 14 (Jul 68) p.275-9. il.

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Road accidents in urban areas. J.T. Duff. J. of Instn. of Highway Engrs., 15 (May 68) p.61-73. il.

ROADS : Accidents : Statistics

International comparisons of road accident statistics. J.P. Bull. J. of Instn. of Highway Engrs., 15 (Mar 68) p.15-19. refs.

ROADS : Accidents : Statistics : Compilation

Systematic study of road accidents and accident patterns: success of Hampshire R.S.U. in co-ordinating remedial measures. Highways & Public Works, 35 (Dec 67) p.6+. il.

ROADS .. Antrim County

New roads for Ulster. A. Taylor. Surveyor, 132 (23 Aug 68) p.31-2. il.

ROADS, Approach : Airports. See AIRPORTS : Road access

ROADS, Approach : Tunnels. See TUNNELS : Approach roads

ROADS : Basecourses; Gravel, Bituminous : Plastic deformation

Resistance to plastic flow of bituminous basecourses made with gravel aggregates. A. Please & F.E. Mayer. Chemistry & Industry (14 Sep 68) p.1238-45. il. refs.

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Bedworth bypass design counters problem of old mine workings. Highways & Public Works, 36 (Mar 68) p.36-7. il.

ROADS .. Birmingham .. Aston

Aston expressway. Highways & Public Works, 36 (Jun 68) p.36. il.

ROADS : Bitumen

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ROADS .. Bracknell

Bracknell link road construction. Highways & Public Works, 36 (May 68) p.32+

ROADS .. Chippenham

Chippenham relief road. C.R. Chadwick. Traffic Engng. & Control, 9 (Jan 68) p.428-30. il.

ROADS : Cleansing

Street sweeping—methods and incentive. N.A. Fox. Public Cleansing, 58 (Feb 68) p.87-96. il.

ROADS : Cleansing .. Glasgow : History

Interesting and unusual book to mark Glasgow's centenary. Municipal Engng., 145 (5 Jul 68) p.1357

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New special vehicle for Waltham Forest. Public Cleansing, 58 (Nov 68) p.582-5. il.

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Small sweeper-collectors. W.E. Weisflog. Public Cleansing, 58 (Nov 68) p.561-72. il.

ROADS; Concrete

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Concrete pavements and quality assurance. J.G. Laguros. Highways & Public Works, 36 (Feb 68) p.18+. il.

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Latest developments in concrete road building. D. Beadle. Muck Shifter, 26 (Jan 68) p.59+. il.

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ROOFS : Insulation, Thermal : Slabs

Thermal insulation: sheeting and slabs. Building, 214 (12 Jan 68) p.169-70

ROOFS; Lead : Domes : Cathedrals. See CATHEDRALS : Domes : Roofs; Lead

ROOFS : Lifting : Office buildings. See OFFICE BUILDINGS : Roof lifting

ROOFS : Mining. See MINING : Roofs

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ROOT LOCUS : Second order control system analysis. See CONTROL SYSTEMS, Second order : Analysis : Root locus

ROOT LOCUS : Third order control system analysis. See CONTROL SYSTEMS, Third order : Analysis : Root locus

ROOTES CARS. See MOTOR CARS, Types, Rootes

ROPE FRAMED BELT CONVEYORS : Mining : Coal. See Coal : Mining : Conveyors, Belt,, Rope framed

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ROSIN; Markings : Roads. See ROADS : Markings; Rosin

ROT, Soft, Fungus : Infested beech. See BEECH, Infested : Soft rot fungus

ROTARY AIR COMPRESSORS. See AIR COMPRESSORS, Rotary

ROTARY CEMENT KILNS. See CEMENT : Kilns, Rotary

ROTARY COMPRESSORS. See COMPRESSORS, Rotary

ROTARY CULTIVATORS. See CULTIVATORS, Rotary

ROTARY ENGINES. See ENGINES, Rotary

ROTARY ENGINES : Commercial vehicles. See VEHICLES, Commercial : Engines, Rotary

ROTARY ENGINES : Motor cars. See MOTOR CARS : Engines, Rotary

ROTARY FILTERS : Phosphoric acid production. See PHOSPHORIC ACID : Production : Filters, Rotary

ROTARY INERTIA : Effect on vibrations : Cantilever beams. See BEAMS, Cantilever : Vibrations : Effect of rotary inertia

ROTARY PHOTOGRAVURE MACHINES. See PHOTOGRAVURE : Machines, Rotary

ROTARY PHOTOGRAVURE MACHINES : Packaging materials. See PACKAGING : Materials : Printing, Photogravure : Machines, Rotary

ROTARY PRESSES : Finishing : Knitwear. See KNITWEAR : Finishing : Presses, Rotary

ROTARY PRINTING MACHINES. See PRINTING : Machines, Rotary

ROTARY PUMPS. See PUMPS, Rotary

ROTARY PUMPS : Air injection : Exhaust : Motor cars. See MOTOR CARS : Exhaust : Air injection : Pumps, Rotary

ROTARY PUMPS : Cement. See CEMENT : Pumps, Rotary

ROTARY PUMPS : Vacuum. See VACUUM : Pumps, Rotary

ROTARY REFRIGERATORS : Sea food. See SEA FOOD : Refrigerators, Rotary

ROTARY SCREW COMPRESSORS. See COMPRESSORS, Rotary screw

ROTARY SIEVES : Trawls : Shrimps. See SHRIMPS : Trawls : Sieves, Rotary

ROTARY STIRRERS : Sieve plate pulsed columns : Isopropyl ether : Water : Solvent extraction : Phenol. See PHENOL : Solvent extraction : Water : Isopropyl ether : Columns, Pulsed,, Plate, Sieve : Stirrers, Rotary

ROTARY TRANSFER MACHINES. See TRANSFER MACHINES, Rotary

ROTARY TRANSFER MACHINES : Machining ; Flywheels : Engines : Motor cars. See MOTOR CARS : Engines : Flywheels : Machining : Transfer machines, Rotary

ROTARY TRANSFER MACHINES : Machining : Steel ; Rings. See RINGS ; Steel : Machining : Transfer machines, Rotary

ROTARY VALVES : Steam engines. See STEAM : Engines : Valves, Rotary

ROTATABLE DIELECTRIC TRANSPARENT PLATES : Energy control : Lasers. See LASERS : Energy : Control : Plates, Transparent,, Dielectric,, Rotatable

ROTATING ARCS. See ARCS, Rotating

ROTATING AUDITORIUMS : Theatres. See THEATRES : Auditoriums, Rotating

ROTATING BENZOIC ACID DISCS. See DISCS ; Benzoic acid,, Rotating

ROTATING CONCENTRIC CYLINDERS. See CYLINDERS, Concentric,, Rotating

ROTATING CYLINDER VISCOMETERS. See VISCOMETERS, Rotating cylinder

ROTATING CYLINDRICAL TANKS. See TANKS, Cylindrical,, Rotating

ROTATING DISC ANODES : Tubes : Diffraction : X-rays. See X-RAYS : Diffraction : Tubes : Anodes, Rotating disc

ROTATING DISC CATHODES : Limiting current studies : Corrosion. See CORROSION : Limiting current : Studies : Cathodes, Rotating disc

ROTATING DISC ELECTRODES. See ELECTRODES, Rotating disc

ROTATING DISC ELECTRODES : Ammonia–Ammonium nitrate aqueous solution corrosion studies : Iron. See IRON : Corrosion : Ammonia–Ammonium nitrate aqueous solutions : Studies : Electrodes, Rotating disc

ROTATING DISC GOLD ELECTRODES. See ELECTRODES ; Gold,, Rotating disc

ROTATING DISC PLATINUM CATHODES. See CATHODES ; Platinum,, Rotating disc

ROTATING DISC PLATINUM ELECTRODES. See ELECTRODES ; Platinum,, Rotating disc

ROTATING DISCS. See DISCS, Rotating

ROTATING DRUMS : Malt production. See MALT : Production : Drums, Rotating

ROTATING ECCENTRIC CYLINDERS. See CYLINDERS, Eccentric,, Rotating

ROTATING FLUIDS. See FLUIDS, Rotating

ROTATING FLUIDS : Drag : Rising spheres. See SPHERES, Rising : Drag : Fluids, Rotating

ROTATING LIQUIDS. See LIQUIDS, Rotating

ROTATING MACHINERY. See MACHINERY, Rotating

ROTATING MAGNETIC FIELDS : Rotation : Anisotropic magnetic single crystals. See CRYSTALS, Single,, Magnetic, Anisotropic : Rotation : Magnetic fields, Rotating

ROTATING MIRROR CAMERAS. See CAMERAS, Rotating mirror

ROTATING PLASMA ARCS. See PLASMA ARCS, Rotating

ROTATING SPHERES. See SPHERES, Rotating

ROTATING STRATIFIED FLUIDS. See FLUIDS, Stratified,, Rotating

ROTATING WING AIRCRAFT. See AIRCRAFT, Rotating wing

ROTATION : Aircraft. See AIRCRAFT : Rotation

ROTATION, Manual : Cranks. See CRANKS : Rotation, Manual

ROTATION, Optical. See POLARIMETRY

ROTATION : Reheating : Hot rolling : Rectangular section steel products. See STEEL : Products, Rectangular section : Rolling, Hot : Reheating : Rotating

ROTATIONAL CASTING : Plastics. See PLASTICS : Casting, Rotational

ROTATIONAL CASTING : Polythene ; Containers. See CONTAINERS ; Polythene : Casting, Rotational

ROTATIONAL CASTING : Thermoplastics. See THERMOPLASTICS : Casting, Rotational

ROTH'S METHOD : Boundary value problems : Electrical engineering. See ELECTRICAL ENGINEERING : Boundary value problems : Roth's method

ROTOR ANGLE : Synchronous electrical machinery. See ELECTRICAL MACHINERY, Synchronous : Load angle

ROTOR SPINNING : Yarns. See YARNS : Spinning, Rotor

ROTORS : Asynchronous operation : Synchronous turbo-alternators. See TURBO-ALTERNATORS, Synchronous : Asynchronous operation : Rotors

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ROTORS : Induction motors. See ELECTRIC MOTORS, Induction : Rotors

ROTORS : Rotary screw compressors. See COMPRESSORS, Rotary screw : Rotors

ROTORS, Segmented : Homopolar A.C. machines. See A.C. MACHINES, Homopolar : Rotors, Segmented

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- PORTS .. Rouen

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ROUGHNESS : Surfaces : Effect on thickness : Films : Paint : Ships. See SHIPS : Paint : Films : Thickness : Effect of surface roughness

ROUGHNESS : Surfaces : Effect on thickness : Films : Paint : Shot blasted steel. See STEEL, Shot blasted : Paint : Films : Thickness : Effect of surface roughness

ROUGHNESS : Surfaces : Effect on turbulent flowing solvents : Diffusion controlled dissolution : Metals. See METALS : Dissolution, Diffusion controlled : Solvents, Flowing, Turbulent : Effect of surface roughness

ROUGHNESS : Surfaces : Paper : Printing. See PRINTING : Paper : Surfaces : Roughness

ROUGHNESS : Surfaces : Plastic deformation : Sliding contact See SLIDING CONTACT : Plastic deformation : Surface roughness

ROUMANIA. See RUMANIA

ROUNDABOUTS : Elevated roads. See ROADS, Elevated : Roundabouts

ROUNDABOUTS : Roads

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ROVER THREE THOUSAND FIVE MOTOR CARS. See MOTOR CARS, Types, Rover Three Thousand Five

ROWING DINGHIES. See DINGHIES, Rowing

ROXBURGHSHIRE

See

- COUNTY OFFICES .. Roxburghshire

ROYAL AIR FORCE. See GREAT BRITAIN. Royal Air Force

ROYAL AIR FORCE MUSEUM

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RICS celebrate their centenary. Contract J., 223 (6 Jun 68) p.643-4

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Synthesis of science and technology of rubber—a physicist's viewpoint. L. Mullins. J. of Instn. of Rubber Industry, 2 (Aug 68) p.171-6. il.

RUBBER

Related Headings:

- LATEX

RUBBER–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Education*
- *Research*
- *Standardisation*
- *Technical literature*
    - *Periodicals*

- Physical & chemical aspects
    - *Ageing*
    - *Durability*
    - Mechanical properties
        - *Deformation*
        - *Tensile tests*
        - *Compression*
        - *Thermal expansion*
    - *Glass transition*
    - *Optical flatness*
    - *Embrittlement*

    - Chemistry
        - *Molecular weight*

- Technical activities
    - *Electron microscopy*
    - *Manufactures*
        - *Mixing*
        - *Vulcanisation*
        - *Moulding*

RUBBER–SUBHEADINGS–Synopsis–cont.

- Materials
  - *Plasticisers*
  - *Fillers*
  - *Antiozonants*
  - *Antioxidants*

- Kinds of rubber
  - *Crude*
  - *Wild*
  - *Synthetic*
  - *Filled*

- Applications
  - *Engineering*
  - *Shipbuilding materials*

- *Utilisation*

RUBBER; Adhesives: Surgical dressings. See SURGICAL DRESSINGS : Adhesives; Rubber

RUBBER : Ageing : Correlation with plasticity retention tests
Instrumentation for the new Plasticity Retention Index (PRI) test for natural rubber. F.N.B. Bennett. Rubber & Plastics Age, 49 (May 68) p.433. il. ref.

RUBBER; Agricultural equipment. See AGRICULTURAL EQUIPMENT; Rubber

RUBBER : Antioxidants, Cross linked
Network bound antioxidants in natural rubber. M.E. Cain, G.T. Knight, P.M. Lewis & B. Saville. Rubber J., 150 (Nov 68) p.10+. refs.

RUBBER : Antioxidants; Phenyl-*Beta*-naphthylamine : Complexes, Charge transfer
Charge transfer complexes of an antioxidant. A. Ledwith & D.H. Iles. Chemistry in Britain, 4 (Jun 68) p.266-7. refs.

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RUBBER; Artificial joints : Hips. See HIPS : Joints, Artificial; Rubber

RUBBER; Bearings : Bridges. See BRIDGES : Bearings; Rubber

RUBBER; Bearings: Elevated roads See ROADS, Elevated: Bearings; Rubber

RUBBER; Belts : Conveyors See CONVEYORS : Belts; Rubber

RUBBER; Belts: Conveyors: Mining: Coal. See COAL: Mining: Conveyors: Belts; Rubber

RUBBER : Bonding : Metals. See METALS : Bonding : Rubber

RUBBER, Chlorinated; Paint : Ships. See SHIPS : Paint; Chlorinated rubber

RUBBER; Cloths : Screens : Mineral dressing. See MINERAL DRESSING : Screens : Cloths; Rubber

RUBBER; Cloths : Screens : Quarrying. See QUARRYING : Screens : Cloths; Rubber

RUBBER : Compression : Poisson's ratio
Effect of Poisson's ration on compression modulus. P.B. Lindley. J. of Strain Analysis, 3 (Apr 68) p.142-5. refs.

RUBBER, Crude,, Granulated : Manufactures
First smallholder-rubber *Heveacrumb* plant [Meru, Malaysia] Rubber Developments, 20 no.4 (1967) p.115-18. il.
Progress of Dynat rubber. C.W. Thompson. Rubber J., 150 (Nov 68) p.68+. il.

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Dynat—the process and machinery. S. Shaw. Rubber J., 150 (Feb 68) p.42-3. il.

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RUBBER : Deformation : Hysteresis
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RUBBER : Embrittlement : Ozone
Ozone attack and antiozonant action in elastomers. L.D. Loan, R.W. Murray & P.R. Story. J. of Instn. of Rubber Industry, 2 (Apr 68) p.73-6. refs.

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RUBBER : Engineering
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Identification of antioxidants and accelerators in gum and carbon black-filled rubbers by thin-layer chromatography. J.R. Davies & F.W. Kam. J. of Instn. of Rubber Industry, 2 (Apr 68) p.86-8. refs.

RUBBER, Filled : Determination of antioxida : Chromatography, Thin layer
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RUBBER : Fillers; Molybdenum disulphide
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RUBBER : Glass transition : Temperature : Measurement

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RUBBER : Manufactures : Tyres : Scrap

Case against burning used tyres [Palma, Budapest] G.H. Lane. Rubber J., 150 (Feb 68) p.44+

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RUBBER : Mixing : Costs

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- α-METHYLSTYRENE-BUTADIENE : Rubber
- NEOPRENE
- NITRILE RUBBER
- POLYBUTADIENE
- POLYCAPROLACTONE DIOLS : Rubber
- POLYISOPRENE
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COSMETICS : Creams.. Russia
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FOOD : Processing.. Russia
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SAFETY : Boilers. See BOILERS : Safety

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SAFETY : Cabs : Farm tractors. See TRACTORS, Farm : Cabs : Safety

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SAFETY : Chemical engineering plant. See CHEMICAL ENGINEERING : Plant : Safety

SAFETY : Chemical weapon testing. See WEAPONS, Chemical : Testing : Safety

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SAFETY : Civil engineering. See CIVIL ENGINEERING : Safety

SAFETY : Civil engineering plant. See CIVIL ENGINEERING : Plant : Safety

SAFETY : Commercial vehicles. See VEHICLES, Commercial : Safety

SAFETY : Cranes. See CRANES : Safety

SAFETY : Demolition : Buildings. See BUILDINGS : Demolition : Safety

SAFETY : Docks. See DOCKS : Safety

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SAFETY : Electric motors : Chemical engineering. See CHEMICAL ENGINEERING : Electric motors : Safety

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SAFETY : Electrical building equipment. See BUILDING : Equipment, Electrical : Safety

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SAFETY : Electromagnetic waves. See ELECTROMAGNETIC WAVES : Safety

SAFETY : Ethylene oxide production. See ETHYLENE OXIDE : Production : Safety

SAFETY : Excavation : Trenches. See TRENCHES : Excavation : Safety

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SAFETY : Floors : Garages : Commercial vehicles. See VEHICLES, Commercial : Garages : Floors : Safety

SAFETY : Gas cooled nuclear reactors. See NUCLEAR REACTORS, Gas cooled : Safety

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    CHEMICALS, Dangerous
    FALLS : Safety
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SAFETY : Landing : Vertical take off aircraft. See AIRCRAFT, Vertical take off : Landing : Safety

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SAFETY : Mining : Coal. See COAL : Mining : Accidents

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SAFETY : Petroleum products. See PETROLEUM : Products : Safety

SAFETY : Prefabricated flats. See FLATS, Prefabricated : Safety

SAFETY : Racing : Motor cars. See MOTOR CARS : Racing : Safety

SAFETY : Racing motor boats. See BOATS, Motor,, Racing : Safety

SAFETY : Road construction. See ROADS : Construction : Safety

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SAFETY : Supersonic aircraft. See AIRCRAFT, Supersonic : Safety

SAFETY : Transport : Mining : Coal. See COAL : Mining : Transport : Safety

SAFETY : Ventilation installation. See VENTILATION : Installation : Safety

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CIVIC CENTRES .. St. Albans

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ST. ANDREWS, University of. See UNIVERSITY OF ST. ANDREWS

ST. GOTTHARD

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ST. PETER PORT

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SALINE WATER : Feedwater : Boilers. See BOILERS : Feedwater : Saline water

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SALT : Solutions : Pitting : Single crystals : Iron–Chromium. See IRON–CHROMIUM : Crystals, Single : Pitting : Salt solutions

SALT : Solutions : Stress corrosion : Transgranular cracks : Aluminium–Tin–Titanium. See ALUMINIUM–TIN–TITANIUM : Cracks, Transgranular : Stress corrosion : Salt solutions

SALT; Substrates : Vacuum deposition : Epitaxial cubic zinc sulphide films. See FILMS; Zinc sulphide, Cubic,, Epitaxial : Vacuum deposition : Substrates; Salt

SALT : Surfaces : Footways. See FOOTWAYS : Surfaces : Salt

SALT : Tanker tank washings : Refining : Petroleum. See PETROLEUM : Refining : Tanker tank washings : Salt content

SALT BATHS : Heat treated steel. See STEEL, Heat treated : Salt baths

SALT BATHS : Heat treatment

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SALT–SODIUM FLUORIDE–CALCIUM FLUORIDE. See CALCIUM FLUORIDE–SODIUM CHLORIDE–SODIUM FLUORIDE

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SALTING : Cheddar cheese. See CHEESE, Cheddar : Salting

SALTPETRE. See POTASSIUM NITRATE

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SAMPLED DATA CONTROL SYSTEMS : Synchronous alternators. See ALTERNATORS, Synchronous : Control systems, Sampled data

SAMPLING : Non-linear discrete-continuous control systems. See CONTROL SYSTEMS, Discrete-continuous, Non-linear : Sampling

SAMPLING, Signal dependent : Non-linear discrete–continuous control systems. See CONTROL SYSTEMS, Discrete–Continous,, Non-linear : Sampling, Signal dependent

SAMPLING CIRCUITS : Calibration : Signals : Nuclear magnetic resonance. See NUCLEAR MAGNETIC RESONANCE : Signals : Calibration : Sampling circuits

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SAND : Banks, Reclaimed : Airports. See AIRPORTS : Sand banks, Reclaimed

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SAND : Brick manufactures. See BRICKS : Manufactures : Sand

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SAND : Grinding : Dispersion : Organic pigments. See PIGMENTS, Organic : Dispersion : Sand grinding

SAND, Iron. See IRON SAND

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SAND : Moulds. See MOULDS : Sand

SAND : Moulds : Casting : Brass. See BRASS : Casting . Moulds : Sand

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SAND-LIME; Bricks. See BRICKS; Sand-Lime

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SANDWICH BEAMS. See BEAMS, Sandwich

SANDWICH COURSES : Dip. Tech.. See DIP. TECH. : Sandwich courses

SANDWICH COURSES : Engineering education. See ENGINEERING : Education : Sandwich courses

SANDWICH COURSES : Printing education. See PRINTING : Education : Sandwich courses

SANDWICH COURSES : Technical education. See TECHNICAL EDUCATION : Sandwich courses

SANDWICH PANELS; Balsawood-Plastics, Reinforced : Buildings. See BUILDINGS : Panels, Sandwich; Balsawood-Plastics, Reinforced

SANDWICH PANELS : Buildings. See BUILDINGS : Panels, Sandwich

SANDWICH PANELS : Chassis : Motor cars. See MOTOR CARS : Chassis : Panels, Sandwich

SANDWICH PANELS : Farm buildings. See FARM BUILDINGS : Panels, Sandwich

SANDWICH PANELS : Heating : Floors : Cabins : Aircraft. See AIRCRAFT : Cabins : Floors : Heating : Panels, Sandwich

SANDWICH PANELS : Hulls : Trawlers : Shrimps. See SHRIMPS : Trawlers : Hulls : Panels, Sandwich

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LAVATORIES, Public
POLLUTION
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SATELLITES, Artificial–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Research*

- Technical activities
  - *Launching*
  - Control
    - *Librations*
    - *Attitude control*
  - *Tracking*

- Parts & equipment
  - *Coatings*
    - *Thermal control surfaces*
  - *Power supplies*
  - *Propulsion*
    - *Engines*
    - *Thrustors*
  - Communications systems
    - *Frequency changers*
  - *Signals*
  - *Launchers*

- Types
  - By function
    - *Manned*
    - *Communication*
    - *Meteorology*
    - *Observation*
    - *Biological research*
    - *Military*

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- BUILDINGS : Measurements : Metric system .. Scotland
- BUSES : Traffic engineering .. Edinburgh
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- CIVIC CENTRES .. East Kilbride
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- COASTAL WORKS .. Aberdeen
- COUNTY OFFICES .. Roxburghshire
- ELECTRIC POWER SYSTEMS .. South Scotland
- ELECTRONIC EQUIPMENT : Manufactures .. Scotland
- FISHING : Industry .. Scotland
- FOOD : Processing .. Scotland
- GAS, Natural .. Scotland
- GAS, Town : Equipment .. Scotland
- GAS, Town : Industry .. Scotland
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- HOSPITALS .. Edinburgh
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- HOUSING, Prefabricated .. Glenrothes
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- PORTS .. Leith
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- RAILWAYS, Electric .. Glasgow
- RAILWAYS .. Glasgow
- REFUSE : Collection .. Glasgow
- ROADS : Cleansing .. Glasgow
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- SCHOOLS .. Scotland
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- TORRY RESEARCH STATION .. Aberdeen
- TOWN AND COUNTRY PLANNING .. Scotland
- TOWN PLANNING .. Cumbernauld
- TOWN PLANNING .. Erskine New Community
- TOWN PLANNING .. Invergordon
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TRANSPORT, Public.. Sheffield

SHELL AND TUBE HEAT EXCHANGERS. See HEAT : Exchangers, Shell and tube

SHELL CORES : Moulds. See MOULDS : Cores, Shell

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SHELL MOULDS. See MOULDS, Shell

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SHELLFISH
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CRABS
LOBSTERS
MUSSELS
OYSTERS
PRAWNS
SCALLOPS
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SHIFT REGISTERS : Reference number recording : Stainless steel; Pipes. See PIPES; Steel, Stainless : Reference numbers : Recording : Shift registers

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RUBBER : Shipbuilding materials
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STEEL, High tensile : Shipbuilding materials
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SHIPS

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BARGES
BOATS
COASTAL VESSELS
DREDGERS : Ships
FERRIES
FIREBOATS
FISHING : Vessels
FLYING BOATS
HULLS
LAUNCHES

SHIPS

Related Headings—*cont.*

LIFEBOATS
SEAMANSHIP
TANKERS : Ships
TUGS
WARSHIPS
YACHTS

SHIPS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *History*
- *Research*
    - *Model tests*

- Problems
    - *Accidents*
    - *Corrosion*
    - *Effluents*

- Properties
    - *Cargo capacity–Size relationships*
    - *Seaworthiness*
    - *Strength*
        - *Torsion*
    - *Motion*
        - *Stability*
        - *Waves*
    - *Drag*
    - *Slamming*

- Technical activities
    - *Design*
    - *Repairs*
    - *Painting*
        - *Paint*
    - *Navigation*
        - *Data logging*
        - *Pilotage*
    - *Berthing*
    - *Towing*

- Parts, Equipment
    - Structures
        - *Plates*
        - *Grillages*
    - *Holds*
    - *Hatches*
        - *Hatch covers*
    - *Superstructures*
    - *Cabins*
        - *Furnishings*
        - *Interior decoration*
    - *Control systems*
    - *Fuel systems*
        - *Fuels*
    - *Machinery*
        - *Propulsion*
        - *Engines*
            - *Steam turbines*
            - *Diesel engines*
            - *Gas turbines*
            - *Steam engines*
            - *Nuclear propulsion*
        - *Transmissions*
        - *Couplings*
        - *Gears*
        - *Brakes*

SHIPS–SUBHEADINGS–Synopsis–cont.

- Parts, Equipment–cont.
        - *Propellers*
        - *Roll stabilisers*
        - *Boilers*
        - *Pumps*
        - *Pipes*
        - Mechanical handling
            - *Hoisting equipment*
            - *Winches*
            - *Cranes*
    - *Pneumatic machinery*
    - *Electrical equipment*
        - *Generators*
        - *Alternators*

- Services & facilities
    - *Lights*
    - *Alarms*
    - Electronic equipment
        - *Radio*
    - *Refrigeration equipment*
    - *Sea water systems*
- Materials
    - *Wood*

- Performance
    - *Speed*
    - *Steering*
    - *Turning*

- Types of ships
    - *Damaged*
    - By structure characteristic
        - *Catamaran*
    - By material
        - *Wood*
    - By propulsion characteristics
        - *Motor*
    - By facilities
        - *Refrigerated*
    - By cargo
        - *Passenger*
        - *Pulp carrying*
        - *Wood carrying*
        - *Ore carrying*
        - *Limestone carrying*
        - *Cement carrying*
        - *Sugar carrying*
        - *Water carrying*
        - *Train carrying*
        - Motor vehicle carrying
            - *Motor car carrying*
    - By special function
        - *Tramp*
        - *Inland waterway*
        - *Educational cruise*
        - *Hydrographic survey*
        - *Oceanography research*
        - *Fishery research*
        - *Seismic research*
        - *Meteorological research*
    - *Military Transport*
        - *Cable laying*

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SHIPS : "Atrevida"

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'Bencruachan': steam turbine cargo liner for the Ben Line. Shipping World & Shipbuilder, 161 (Oct 68) p.1602-6. il.

SHIPS : "Bore VI"

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SHIPS : "Cecilie"

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SHIPS : "Columbialand"

'Columbialand': lead ship of packaged lumber carrier series. Shipbuilding & Shipping Record, 111 (1 Feb 68) p.154-5. il.

'Columbialand': packaged lumber carrier. Shipping World & Shipbuilder, 161 (Jan 68) p.73-9. il.

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SHIPS : "Delta Argentina"

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SHIPS : "Dyvi Oceanic"

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'Forrest': supply vessel. Ship & Boat, 21 (Feb 68) p.21-2. il.

SHIPS : "Fotini-L"
'Fotini-L': bulk carrier for Livanos interests. Shipping World & Shipbuilder, 161 (Feb 68) p.403-9. il.

SHIPS : "Galila"
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'Galila'—the palletized cargo ship: specialized vessels from a German yard. Motor Ship, 49 (May 68) p.98-9. il.

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'Hawaiian Planter' and 'Craftsman': two C-3s converted for the first transpacific container service. Shipbuilding and Shipping Record, 111 (8 Mar 68) p.33-3. il.

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'Impala'—a non-cellular short-sea container ship for E.U.R. Motor Ship, 49 (Nov 68) p.385-8. il.

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'Italia': Italian built mini-liner on a Pacific Coast service. Shipbuilding & Shipping Record, 111 (9 Feb 68) p.200-6. il.

SHIPS : "Jacques Cartier"
"Jacques Cartier": French built combination ore/bulk/oil carrier with polyvalent crew. Shipbuilding & Shipping Record, 111 (23 Feb 68) p.268-71. il.

SHIPS : "Jag Dev"
First pioneer: "Jag Dev": a ship for all functions. Tanker & Bulk Carrier, 15 (Aug 68) p.248-9. il.

SHIPS : "Kharsis"
'Kharsis'—a 500-gross ton Dutch-built ship of 3130m³ for French owners. Motor Ship, 48 (Mar 68) p.564-6. il.

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'Limnos': surveying vessel for Great Lakes. Shipbuilding & Shipping Record, 112 (16 Aug 68) p.223-6. il.

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'Ling Yung'—a semi-container ship for Far East-Europe liner service. Motor Ship, 49 (Jul 68) p.169-71. il.
'Ling Yung': fast cargo liner for the Tung group. Shipping World & Shipbuilder, 161 (Jun 68) p.965-8. il.

SHIPS : "Lucie Delmas"
'Lucie Delmas': first of four sister ships for French owners. Shipping World & Shipbuilder, 161 (Mar 68) p.551-4. il.

SHIPS : "Lühesand"
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Cunard-Brocklebank's advanced cargo liners—'Maihar' and 'Mahsud'. Motor Ship, 49 (Sep 68) p.277-80. il.

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'Maihar': new Brocklebank ship from Swedish yard. Shipping World & Shipbuilder, 161 (Jul 68) p.1051-6. il.

SHIPS : "Makedonia"
'Makedonia': Uraga built combination carrier for ore bulk or oil cargoes. Shipbuilding & Shipping Record, 110 (14 Dec 67) p.839-41. il.

SHIPS : "Malmanger"
'Malmanger'. Shipbuilding & Shipping Record, 111 (26 Apr 68) p.573-9. il.
'Malmanger'—a 27450-ton d.w. open-type bulk carrier with an advanced medium-speed machinery installation. Motor Ship, 49 (May 68) p.79-83. il.
'Malmanger': Swedish-built bulk carrier for Norway. Shipping World & Shipbuiler, 161 (May 68) p.806-13. il.

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'Mataura'—Mitsui shipyard's largest refrigerated cargo liner. Shipping World & Shipbuiler, 162 (Aug 68) p.1379+. il.

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Launching of the first SD14 Liberty replacement [Bartram & Sons Ltd.] Motor Ship, 48 (Jan 68) p.432-3. il.

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First two SD14's delivered by Austin and Pickersgill and Bartram's. Motor Ship, 48 (Mar 68) p.587-90. il.
'Nicola': first Austin & Pickersgill standard SD14 ship. Shipping World & Shipbuilder, 161 (Apr 68) p.654-60. il.

SHIPS : "Orotava"
'Orotava'—a 13 800-bhp Doxford J-engine bulk carrier for Houlder Group. Motor Ship, 49 (May 68) p.70-1. il.

SHIPS : "Orwell Fisher"
'Orwell Fisher': container ship with cellular provision. Shipbuilding & Shipping Record, 111 (15 Mar 68) p.370-1. il.

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'Pacific Defender': Japanese built bulk carrier. Shipping World & Shipbuilder, 161 (Jul 68) p.1086-9. il.

SHIPS : "Persimmoncore"
'Persimmoncore': Norwegian built refrigerated vessel. Shipping World & Shipbuilder, 161 (Nov 68) p.1776-7. il.

SHIPS : "Polar Equador"
'Polar Equador': first of six refrigerated cargo liners. Shipping World & Shipbuilder, 161 (Jan 68) p.47-57. il.
'Polar Ecuador': lead ship of six refrigerated cargo vessels for Hamburg—Süd. Shipbuilding & Shipping Record, 110 (7 Dec 67) p.805-12. il.

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'Ponce de Leon'—a $ 25 million non-subsidized U.S. trailership. Motor Ship, 49 (May 68) p.104+. il.
'Ponce de Leon': advanced trailership for New York/ Puerto Rico service. Shipbuilding & Shipping Record, 111 (24 May 68) p.719-23. il.

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'Port Caroline': features of the refrigerated cargo liner. Motor Ship, 49 (Nov 68) p.396-8. il.

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'Port Chalmers': world's largest refrigerated cargo liner. Shipbuilding & Shipping Record, 111 (21 Jun 68) p.853-8. il.
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'Roslagen'—bulk carrier built on North-East coast for Sweden. Shipping World & Shipbuilder, 60 (Dec 67) p.2055-60. il.

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'San Joaquin' Valley: Finnish built, large 'open' refrigerated cargo liner. Shipbuilding & Shipping Record, 111 (21 Jun 68) p.859-63. il.

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Seafreightliner II : second of two 4000gt cellular container ships for British Rail. Inst. of Marine Engrs. Trans., 80 (May 68) suppt. p.13-14

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'Sea Witch'—the first of three Transatlantic container ships. Motor Ship, 49 (Nov 68) p.376-81. il.

SHIPS : "Sealord Challenger"

'Sealord Challenger'—a fully automated freight ferry. Motor Ship, 48 (Mar 68) p.544-6. il.

SHIPS : "Sheaf Crest"

"Sheaf Crest"—a 14 830 ton Liberty replacement ship from Doxford. Motor Ship, 49 (Jul 68) p.183-6. il.

'Sheaf Crest' : first Doxford Liberty replacement-de luxe version. Shipbuilding & Shipping Record, 111 (21 Jun 68) p.865-7. il.

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'Sylvia Cord'—the first of the Mitsui Concord-class of cargo ship. Motor Ship, 49 (Nov 68) p.382-4. il.

SHIPS : "Tracy"

'Tracy' : supply and buoy vessel for Canadian Coast Guard. Shipbuilding & Shipping Record, 112 (16 Aug 68) p.221-3. il.

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Tyro : versatile Dutch cargo vessel for the shortsea trades. Shipbuilding & Shipping Record, 111 (5 Apr 68) p.475-9. il.

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'Universe Conveyor' : largest self unloader yet. Shipbuilding & Shipping Record, 112 (12 Jul 68) p.52-3. il.

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STARTING : Induction motors. See ELECTRIC MOTORS, Induction : Starting

STARTING : Pump turbines : Pumped storage hydroelectric power stations. See HYDROELECTRIC POWER STATIONS, Pumped storage : Pump turbines : Starting

STARTING : Solid salient pole synchronous electric motors. See ELECTRIC MOTORS, Synchronous,, Salient pole, Solid : Starting

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STATIC ELECTRICITY. See ELECTROSTATIC

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STATIONS : M.F. radio. See RADIO, M.F. : Stations

STATIONS : Radio : Aircraft. See AIRCRAFT : Radio : Stations

STATIONS : Railways. See RAILWAYS : Stations

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    HISTOGRAMS : Plotters

STATISTICS, Applied
  Related Headings:
    CORRELATION FUNCTIONS
    DESCRIBING FUNCTIONS
    DISTRIBUTION FUNCTIONS
    DYNAMIC PROGRAMMING
    EXPERIMENTS, Factorial
    FORECASTING : Statistics
    GAMES : Theory
    GAUSSIAN DISTRIBUTION
    LEAST SQUARES
    MARKOV PROCESSES
    MONTE CARLO METHOD
    MULTIWAY TABLES
    OPERATIONAL RESEARCH
    QUEUE THEORY
    REGRESSION ANALYSIS
    SAMPLING
    t-DISTRIBUTION
    VARIANCE ANALYSIS

STATISTICS, Applied : Classification. See CLASSIFICATION : Statistical methods

STATISTICS, Applied : Hot tearing : Tungsten arc welding : Steel; Sheets. See SHEETS; Steel : Welding, Arc,, Tungsten : Tearing, Hot : Statistical analysis

STATISTICS, Applied : Inspection. See INSPECTION : Statistical methods

STATISTICS, Applied : Load control assessment : Transformers : Power substations. See POWER SUBSTATIONS : Transformers : Load control : Assessment : Statistical methods

STATISTICS, Applied : Load variation studies : Sewage. See SEWAGE : Load variation : Studies : Statistical methods

STATISTICS, Applied : Mixing. See MIXING : Statistics

STATISTICS, Applied : Project evaluation : Industrial research. See INDUSTRIAL RESEARCH : Project evaluation : Statistical methods

STATISTICS, Applied : Quality control : Castings. See CASTINGS : Quality control : Statistical methods

STATISTICS, Applied : Quality control : Preparation : Coal. See COAL : Preparation ; Quality control : Statistics

STATISTICS, Applied : Random vibration analysis : Motor vehicles. See MOTOR VEHICLES : Vibrations, Random : Analysis : Statistical methods

STATISTICS, Applied : Reliability : Electronic equipment. See ELECTRONIC EQUIPMENT : Reliability : Statistical methods

STATISTICS, Applied : Strength measurement : Glass. See GLASS : Strength : Measurement : Statistics

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STATORS : Water turbines : Alternators. See ALTERNATORS : Water turbines : Stators

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BOILERS

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STEAM : Injection : Heating : Sterilisation : Liquid food. See FOOD, Liquid : Sterilisation : Heating : Steam injection

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STEAM BOATS. See BOATS, Steam

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STEAM CRANE SHUNTERS. See SHUNTERS, Crane,, Steam

STEAM–GAS TURBINES : Turbo-alternators. See TURBO-ALTERNATORS : Gas–Steam turbines

STEAM GENERATING HEAVY WATER MODERATED NUCLEAR REACTORS. See NUCLEAR REACTORS, Heavy water moderated,, Steam generating

STEAM LAUNCHES. See LAUNCHES, Steam

STEAM LOCOMOTIVES. See LOCOMOTIVES, Steam

STEAM LOCOMOTIVES : Transport : Cement production. See CEMENT : Production : Transport : Locomotives, Steam

STEAM MOTOR CARS. See MOTOR CARS, Steam

STEAM MOTOR VEHICLES. See MOTOR VEHICLES, Steam

STEAM MOULDING : Expanded polystyrene. See POLYSTYRENE, Expanded: Moulding, Steam

STEAM–NAPHTHA : Synthesis gas production. See SYNTHESIS GAS : Production : Steam–Naphtha

STEAM-PAD METHOD : Hydrogen peroxide : Bleaching : Wool. See WOOL : Bleaching : Hydrogen peroxide : Pad-Steam method

STEAM YACHTS. See YACHTS, Steam

STEARIC ACID : Modified alkyd resins; Paint. See PAINT; Alkyd resins, Modified : Stearic acid

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STEEL-SUBHEADINGS-Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Problems
  - *Oxidation*
  - *Corrosion*

- Properties
  - Mechanical properties
    - *Ductility*
    - *Tensile strength*
    - *Notch testing*
    - *Yield stress*
    - *Fracture*
      - *Cracks*
    - *Fatigue*
    - *Creep*
    - *Hardenability*
    - *Machinability*
    - Friction
      - *Sliding contact*
      - *Rolling contact*
    - *Embrittlement*
    - *Thermal transformations*

- Technical activities
  - Analysis
    - *Determination of*
    - *Spectrophotometry*
  - *Identification*
  - *Testing*
  - *Production*
  - *Manufactures*
    - Melting
      - *Remelting*
    - *Reheating*
    - *Foundry practice*
    - *Casting*
      - *Die casting*
    - *Forming*
    - *Forging*
    - *Rolling*
    - *Extrusion*
    - *Cutting*
      - *Shears*
    - *Grinding*
    - *Decarburisation*
    - Hardening
      - *Chromising*
    - *Heat treatment*
      - *Tempering*
      - *Quenching*
    - *Welding*
    - *Shot blasting*
    - *Descaling*
    - *Pickling*
  - *Coatings*
    - *Painting*
    - *Electroplating*
  - *Transport*
  - *Storage*

STEEL-SUBHEADINGS-Synopsis-cont.

- Products
  - *Castings*
  - *Scrap*

- Types of steel
  - By state
    - *Liquid*
  - By process
    - *Cast*
    - *Heat treated*
      - *Quenched*
      - *Mar-ageing*
    - *Hot worked*
    - *Purified*
    - *Rolled*
    - *Prestrained*
    - *Strain aged*
    - *Welded*
    - *Shot blasted*
    - Coated
      - *Painted*
      - *Galvanised*
      - *Electroplated*
  - By property
    - *Shock resistant*
    - *High tensile*
    - *High yield stress*
    - *Free machining*
    - *High temperature*
  - By phase
    - *Ferritic*
    - *Austenitic*
    - *Martensitic*
  - By material
    - *Eutectoid*
    - *Mild*
    - *Low alloy*
    - *Stainless*
    - *Alloys*

- Applications
  - *Building materials*
  - *Shipbuilding materials*

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STRAIGHT BAR KNITTING : Full fashioned outerwear. See OUTERWEAR, Full fashioned : Knitting, Straight bar

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STRAIN : Correlation with density : Creep : Nickel–Palladium. See NICKEL–PALLADIUM : Creep : Density : Correlation with strain

STRAIN : Energy : Grinding : Yttrium–Iron; Garnets : Powders. See POWDERS : Garnets; Yttrium–Iron : Grinding : Strain energy

STRAIN : Energy : Release rate : Cracked plates. See PLATES, Cracked : Strain energy release rate

STRAIN : Energy : Release rate : Cracked rotating discs. See DISCS, Rotating,, Cracked : Strain energy release rate

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SUGAR
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TANZANIA

See

COTTON : Industry.. Tanzania

PORTS.. Dar es Salaam

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TAPE : Fabrics : Film; Polythene,, Split fibre : Manufactures : Equipment

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Film yarn and film fibres. Pt.2: advances in process technology. Plastics, 33 (Feb 68) p.165-8. il.

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TAPE; Polypropylene: Strapping: Packaging. See PACKAGING: Strapping: Tape; Polypropylene

TAPE : Sealing : Containers. See CONTAINERS : Sealing : Tape

TAPE; Strapping : Packaging. See PACKAGING : Strapping : Tape

TAPE, Twisted : Fuel elements : Boiling water nuclear reactors. See NUCLEAR REACTORS, Boiling water : Fuel elements : Tape, Twisted

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TAPE RECORDERS

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TAPE RECORDERS

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TAPE RECORDERS : Television. See TELEVISION : Tape recorders

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TAPERED BEAMS. See BEAMS, Tapered

TAPERED ELEMENTS : Jointed rods. See RODS, Jointed : Tapered elements

TAPERED LEAF SPRINGS : Vans. See VANS : Springs, Leaf,, TAPERED SHEAR WALLS : Tall buildings. See BUILDINGS, Tall : Walls, Shear, Tapered

TAPPED TRANSFORMER FREQUENCY MULTIPLIER ANALOGUE COMPUTERS : Polynomial equation calculations. See POLYNOMIAL EQUATIONS : Calculations : Computers, Analogue, Frequency multiplier, Transformer, Tapped

TAPPETS : Engines : Motor vehicles. See MOTOR VEHICLES : Engines : Tappets

TAPPING

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COAL TAR
PITCH

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See
DAMS .. Tarbela

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TARTARIC ACID : Polishing : Metals. See METALS : Polishing : Tartaric acid

TASMANIA

See
IRON : Mining, Opencast .. Savage River
TIN : Mining .. Mount Cleveland

TASTE : Water. See WATER : Taste

TASTING TESTS : Canned orange juice. See ORANGES : Juice, Canned : Sensory testing

TASTING TESTS : Correlation with higher alcohols formation : Yeast : Fermentation : Wines. See WINES : Fermentation : Yeast : Higher alcohols formation : Correlation with sensory testing

TASTING TESTS : Food. See FOOD : Sensory testing

TASTING TESTS : Frozen cod. See COD, Frozen : Sensory testing

TAVERNS. See PUBLIC HOUSES

TAYLOR COLUMNS : Rotating fluids. See FLUIDS, Rotating : Taylor columns

TAYLOR VORTICES : Rotating concentric cylinders. See CYLINDERS, Concentric,, Rotating : Taylor vortices

TAYLOR'S SERIES : Air admittance analysis : Admittance derivation : Dissipative media : Dipole aerials. See AERIALS, Dipole : Dissipative media : Admittance : Derivation : Air admittance : Analysis : Taylor's series

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TEACHERS: Secondary schools: Technical education. See TECHNICAL EDUCATION: Secondary schools: Teachers

TEACHERS : Technical education. See TECHNICAL EDUCATION : Teachers

TEACHING : Crystallography. See CRYSTALLOGRAPHY : Teaching

TEACHING : Electronics. See ELECTRONICS : Teaching

TEACHING : Engineering. See ENGINEERING : Teaching

TEACHING : Flow : Fluids. See FLUIDS : Flow : Teaching

TEACHING : Hydraulic machinery. See HYDRAULIC MACHINERY : Teaching

TEACHING : Internal combustion engines. See ENGINES, Internal combustion : Teaching

TEACHING : Lighting. See LIGHTING : Teaching

TEACHING : Metallurgy. See METALLURGY : Teaching

TEACHING, Programmed

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TEACHING, Programmed : Technical education. See TECHNICAL EDUCATION : Teaching, Programmed

TEACHING, Programmed : Telephony. See TELEPHONY : Teaching, Programmed

TEACHING : Refrigeration. See REFRIGERATION : Teaching

TEACHING : Technical education. See TECHNICAL EDUCATION : Teaching

TEACHING: Thermodynamics. See THERMODYNAMICS: Teaching

TEACHING AIDS

Related Headings:
AUDIO-VISUAL AIDS

TEACHING AIDS : Agricultural machinery. See AGRICULTURAL MACHINERY : Teaching aids

TEACHING AIDS: Closed circuit television. See TELEVISION, Closed circuit : Teaching aids

TEACHING AIDS : Closed circuit v.h.f. television. See TELEVISION, V.H.F.,, Closed circuit : Teaching aids

TEACHING AIDS : Communication satellites. See SATELLITES, Artificial,, Communication : Teaching aids

TEACHING AIDS : Metallurgy. See METALLURGY : Teaching aids

TEACHING AIDS : Ophthalmology. See OPHTHALMOLOGY : Teaching aids

TEACHING AIDS : Technical education. See TECHNICAL EDUCATION : Teaching aids

TEACHING AIDS : Television. See TELEVISION : Teaching aids

TEACHING AIDS : Universities : Technical education. See TECHNICAL EDUCATION : Universities : Teaching aids

TEAK : Veneered plywood; Surrounds : Fireplaces. See FIREPLACES : Surrounds; Plywood, Veneered : Teak

TEARING, Hot : Tungsten arc welding : Steel; Sheets. See SHEETS; Steel : Welding, Arc,, Tungsten : Tearing, Hot

TEARING, Lamellar : Welded ferritic steel. See STEEL, Ferritic,, Welded : Lamellar tearing

TECHNICAL BOOKS : Publishing
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TECHNICAL COLLEGES : Buildings
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TECHNICAL COLLEGES : Classrooms; Wood
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TECHNICAL COLLEGES : Computer education. See COMPUTERS : Education : Technical colleges

TECHNICAL COLLEGES : Computers, Time sharing
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TECHNICAL COLLEGES.. Coventry
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Overlap: colleges. Technical Education, 10 (Apr 68)

TECHNICAL COLLEGES.. Edinburgh
Napier College of Science and Technology. J. Dunning. Chemistry & Industry (22 Jun 68) p.794-6. il.

TECHNICAL COLLEGES : Liaison with industry
Industrial liaison centres in colleges of technology and technological universities. I. Rush. Works Management, 30 (Dec 67) p.6-9

TECHNICAL COLLEGES.. Liverpool
Big 4. Technical Education, 10 (Feb 68) p.62
Further education. Technical Education, 10 (Feb 68) p.61

TECHNICAL COLLEGES : Mechanical engineering design education. See MECHANICAL ENGINEERING : Design : Education : Technical colleges

TECHNICAL COLLEGES.. Newcastle-upon-Tyne
Binary: Newcastle Polytechnic. Technical Education, 10 (Mar 68) p.102-3
Maple Terrace [Newcastle] Technical Education, 10 (Mar 68) p.101

TECHNICAL COLLEGES : Windows : Frames; Hardwoods : Repair
Deterioration in hardwood joinery. Building, 215 (18 Oct 68) p.185-6. il.

TECHNICAL CO-OPERATION.. Europe
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TECHNICAL EDUCATION
Related Headings:
- APPRENTICESHIPS
- DIP. TECH.
- TEACHERS
- TEACHING
- VOCATIONAL GUIDANCE

TECHNICAL EDUCATION–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Particular localities
  - *Great Britain*
  - *Russia*
- Methods
  - *Teaching*
    - *Teachers*
    - *Training officers*
  - *Retraining*

- Equipment
  - *Laboratories*
  - *Teaching aids*
  - *Audio-visual aids*
  - *Simulators*
- Curriculum
  - *Liberal studies*
- Grade or system
  - *Primary schools*
  - *Secondary schools*
  - *Sandwich courses*
  - *Universities*
- Technical education of particular social groups
  - *Spastics*

TECHNICAL EDUCATION : Agricultural machinery. See AGRICULTURAL MACHINERY : Education

TECHNICAL EDUCATION : Air conditioning. See AIR CONDITIONING : Education

TECHNICAL EDUCATION : Air pollution control. See AIR POLLUTION : Control : Education

TECHNICAL EDUCATION : Air transport. See AIR TRANSPORT : Education

TECHNICAL EDUCATION : Aircraft engineering. See AIRCRAFT : Engineering : Education

TECHNICAL EDUCATION : Aircraft servicing. See AIRCRAFT : Servicing : Education

TECHNICAL EDUCATION : Ampere turn balance : Windings : Transformers. See TRANSFORMERS : Windings : Ampere turn balance : Education

TECHNICAL EDUCATION : Architect–Engineer relationships. See ARCHITECT–ENGINEER RELATIONSHIPS : Education

TECHNICAL EDUCATION : Architecture. See ARCHITECTURE : Education

TECHNICAL EDUCATION : Architectural design. See ARCHITECTURE : Design : Education

TECHNICAL EDUCATION : Audio–visual aids

Development of visual aids and their place in education. Sir Brynmor Jones. Photographic J., 108 (Sep 68) p.281-5

Looking at science. A.M. Hughes. Advancement of Science, 24 (Jun 68) p.460-3

TECHNICAL EDUCATION : Automatics : Machine tools. See AUTOMATICS : Machine tools : Education

TECHNICAL EDUCATION : Blind people : Data processing. See DATA PROCESSING : Blind people : Education

TECHNICAL EDUCATION : Building. See BUILDING : Education

TECHNICAL EDUCATION : Catering. See CATERING : Education

TECHNICAL EDUCATION : Ceramics. See CERAMICS : Education

TECHNICAL EDUCATION : Chemical engineering. See CHEMICAL ENGINEERING : Education

TECHNICAL EDUCATION : Chemical technology. See CHEMICAL TECHNOLOGY : Education

TECHNICAL EDUCATION : Chemistry. See CHEMISTRY : Education

TECHNICAL EDUCATION : Circuits : Pulses. See PULSES : Circuits : Education

TECHNICAL EDUCATION : Civil engineering. See CIVIL ENGINEERING : Education

TECHNICAL EDUCATION: Civil engineering plant. See CIVIL ENGINEERING: Plant: Education

TECHNICAL EDUCATION : Colour photography. See PHOTOGRAPHY, Colour : Education

TECHNICAL EDUCATION : Communication. See COMMUNICATION : Education

TECHNICAL EDUCATION : Computers. See COMPUTERS : Education

TECHNICAL EDUCATION : Computers : Building. See BUILDING : Computers : Education

TECHNICAL EDUCATION : Computers : Information services : Chemistry. See CHEMISTRY : Information services : Computers : Education

TECHNICAL EDUCATION : Consultants : Transport : Roads. See ROADS : Transport : Consultants : Education

TECHNICAL EDUCATION : Control system utilisation : Machine tools. See MACHINE TOOLS : Control systems : Utilisation : Education

TECHNICAL EDUCATION : Control systems. See CONTROL SYSTEMS : Education

TECHNICAL EDUCATION : Corrosion. See CORROSION : Education

TECHNICAL EDUCATION : Cutting : Uppers : Footwear. See FOOTWEAR : Uppers : Cutting : Education

TECHNICAL EDUCATION : Dairy industry. See DAIRY INDUSTRY : Education

TECHNICAL EDUCATION : Data processing. See DATA PROCESSING : Education

TECHNICAL EDUCATION: Driving: Articulated motor vehicles. See MOTOR VEHICLES, Articulated : Driving: Education

TECHNICAL EDUCATION : Driving : Buses. See BUSES : Driving : Training

TECHNICAL EDUCATION: Driving: Commercial vehicles. See VEHICLES, Commercial : Driving: Education

TECHNICAL EDUCATION : Driving : Road tankers. See TANKERS, Road : Driving : Education

TECHNICAL EDUCATION : Dyeing : Textiles. See TEXTILES : Dyeing : Education

TECHNICAL EDUCATION : Electric power systems. See ELECTRIC POWER SYSTEMS : Education

TECHNICAL EDUCATION : Electrical engineering. See ELECTRICAL ENGINEERING : Education

TECHNICAL EDUCATION : Electron tubes. See ELECTRON TUBES : Technical education

TECHNICAL EDUCATION : Electronic equipment : Machine tools. See MACHINE TOOLS : Electronic equipment : Education

TECHNICAL EDUCATION : Electronics. See ELECTRONICS : Education

TECHNICAL EDUCATION : Engineering. See ENGINEERING : Education

TECHNICAL EDUCATION : Engineering : Mining : Coal. See COAL : Mining : Engineering : Education

TECHNICAL EDUCATION : Engineering design. See ENGINEERING : Design : Education

TECHNICAL EDUCATION: Engineering materials. See ENGINEERING: Materials: Education

TECHNICAL EDUCATION: Fire control. See FIRES : Control: Education

TECHNICAL EDUCATION : Fire fighting. See FIREMEN : Education

TECHNICAL EDUCATION : Flour milling. See FLOUR : Milling : Education

TECHNICAL EDUCATION : Flying. See FLYING : Training

TECHNICAL EDUCATION : Flying : Military aircraft. See AIRCRAFT, Military : Flying : Training

TECHNICAL EDUCATION : Flying : Military helicopters. See HELICOPTERS, Military : Flying : Training

TECHNICAL EDUCATION : Food processing. See FOOD : Processing : Education

TECHNICAL EDUCATION : Footwear. See FOOTWEAR : Education

TECHNICAL EDUCATION : Foundry practice. See FOUNDRY PRACTICE : Education

TECHNICAL EDUCATION : Frequency modulation. See FREQUENCY MODULATION : Education

TECHNICAL EDUCATION : Fuels. See FUELS : Education

TECHNICAL EDUCATION : Gas flow. See GAS FLOW : Education

TECHNICAL EDUCATION .. Great Britain

Pattern of further education. Architects' J., 147 (24 Jan 68) p.255-9

Training under fire in several industries now. Scottish Electrical Engr., 39 (Oct 68) p.419-20

TECHNICAL EDUCATION : Haulage : Roads. See ROADS : Haulage : Education

TECHNICAL EDUCATION : Industrial design. See INDUSTRIAL DESIGN : Education

TECHNICAL EDUCATION : Industrial safety. See SAFETY, Industrial : Education

TECHNICAL EDUCATION : Inspection : Municipal sanitation. See SANITATION, Municipal : Inspection : Training

TECHNICAL EDUCATION : Instruments. See INSTRUMENTS : Education

TECHNICAL EDUCATION : Iron production. See IRON : Production : Education

TECHNICAL EDUCATION : Keyboard operation : Composing : Printing. See COMPOSING : Printing : Keyboards : Operation : Education

TECHNICAL EDUCATION : Laboratories : Safety : Education

Safety training. D.R. Browning. Chemistry in Britain, 4 (Jan 68) p.11-12. refs.

TECHNICAL EDUCATION : Liberal studies

Place of liberal studies. Chartered Mechanical Engr., 15 (Mar 68) p.114-15

TECHNICAL EDUCATION : Lighting. See LIGHTING : Education

TECHNICAL EDUCATION : Marine engineering. See MARINE ENGINEERING : Education

TECHNICAL EDUCATION : Mathematics. See MATHEMATICS : Education

TECHNICAL EDUCATION : Mathematics : Electrical engineering. See ELECTRICAL ENGINEERING : Mathematics : Education

TECHNICAL EDUCATION : Mathematics : Engineering. See ENGINEERING : Mathematics : Education

TECHNICAL EDUCATION : Mechanical engineering. See MECHANICAL ENGINEERING : Education

TECHNICAL EDUCATION : Mechanical engineering design. See MECHANICAL ENGINEERING : Design : Education

TECHNICAL EDUCATION : Medical photography. See MEDICAL PHOTOGRAPHY : Education

TECHNICAL EDUCATION : Metallurgy. See METALLURGY : Education

TECHNICAL EDUCATION : Metric system : Building measurements. See BUILDINGS : Measurements : Metric system : Education

TECHNICAL EDUCATION : Metric system : Engineering measurements. See ENGINEERING : Measurements : Metric system : Education

TECHNICAL EDUCATION : Military technology. See MILITARY TECHNOLOGY : Education

TECHNICAL EDUCATION : Mining engineering : Coal. See COAL : Mining : Engineering : Education

TECHNICAL EDUCATION : Modernisation : Flats. See FLATS : Modernisation : Education

TECHNICAL EDUCATION : Monte Carlo method : Conduction calculations : Heat. See HEAT : Conduction : Calculations : Monte Carlo method : Education

TECHNICAL EDUCATION : Motor vehicles : Refuse collection. See REFUSE : Collection : Motor vehicles : Education

TECHNICAL EDUCATION : PL/1 : Languages : Programs : Computers. See COMPUTERS : Programs : Languages : PL/1 : Education

TECHNICAL EDUCATION : Papermaking. See PAPERMAKING : Education

TECHNICAL EDUCATION : Parametric amplifiers. See AMPLIFIERS, Parametric : Education

TECHNICAL EDUCATION : Patterns : Casting. See CASTING : Patterns : Education

TECHNICAL EDUCATION : Photography. See PHOTOGRAPHY : Education

TECHNICAL EDUCATION : Plastics : Engineering. See PLASTICS : Engineering : Education

TECHNICAL EDUCATION : Plastics. See PLASTICS : Education

TECHNICAL EDUCATION : Police. See POLICE : Education

TECHNICAL EDUCATION : Polymer manufactures. See POLYMERS : Manufactures : Education

TECHNICAL EDUCATION : Polymers. See POLYMERS : Education

TECHNICAL EDUCATION, Postgraduate : Glass manufactures. See GLASS : Manufactures : Education, Postgraduate

TECHNICAL EDUCATION, Postgraduate : Irrigation. See IRRIGATION : Education, Postgraduate

TECHNICAL EDUCATION, Postgraduate : Programs : Computers. See COMPUTERS : Programs : Education, Postgraduate

TECHNICAL EDUCATION, Postgraduate : Prospecting : Petroleum. See PETROLEUM : Prospecting : Education, Postgraduate

TECHNICAL EDUCATION, Postgraduate : Teachers : Chemistry. See CHEMISTRY : Teachers : Education, Postgraduate

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Television engineering developments. P.R. Berkeley. Brit. Kinematography Sound & Television, 50 (May 68) p.139-40

TELEVISION–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Particular localities
- *West Germany*
- *Singapore*

Transmission
- *V.H.F.*
- *U.H.F.*
- *Pulse code modulation*
- *Pulse sound modulation*
- Signals
  - *Picture quality*

Recording
- *Tape recorders*
  - *Videotape recorders*

Equipment
- *Cameras*
- *Receivers*
- *Waveform monitors*

Broadcasts
- *Studios*
- *Outside broadcasts*

Material televised
- *Films*
- *News programmes*

TELEVISION–SUBHEADINGS–*Synopsis–cont.*

Systems
- *Pulse code modulation*
- *Colour*
- *Closed circuit*

Applications
- *Teaching aids*

TELEVISION : Cameras, Film, Photoconductive

Tubeless television camera. C. Jones. International Broadcast Engr. (May 68) p.184+. il.

TELEVISION : Cameras : Lenses, Zoom

Sharp eye on tv optics lead [Rank Taylor Hobson] Engineering, 206 (27 Sep 68) p.458-9. il.

TELEVISION : Cameras : Lenses, Zoom : Components : Machining, Diamond

Diamond machining of zoom lens components ensures a steady picture [Rank Taylor Hobson] P. Daniel. Industrial Diamond Rev., 28 (Jan 68) p.2-5. il.

TELEVISION : Cameras : Lenses, Zoom : Servomechanisms

Precision servo design for tv cameras. E.R. Brooke. Design & Components in Engng. (2 Sep 68) p.45-51. il.

TELEVISION : Cameras : Manufactures

Profile on Vinten. K. Ullyett. International Broadcast Engr. (Aug 68) p.306-10. il.

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Developments in television camera tubes. R.L. Beule, D.A. Pay & W.E. Turk. R. Television Soc. J., 11 (Autumn 67) p.254-60. il. refs.

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ORTHICONS

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Printed scanning coils: manufacturing technique giving compact assemblies with good geometrical accuracy and repeatability in production. E.W. Bull. Wireless World, 74 (Aug 68) p.260-2. il. refs.

To cut assembly costs flexibles need not flex [EMI] Electrical & Electronics Manufacturer, 12 (Aug 68) p.1-2

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Television in industry. Machinery Lloyd (European ed.) 40 (Aug 68) p.16-17

Television in industry. Machinery Lloyd (Overseas ed.) 40 (Aug 68) p.16-17

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TERPANES
Related Headings:
TRITERPANES

TERPENES
Related Headings:
DIHYDROCARVEOL
DIPENTENE DIHYDROCHLORIDE
LIMONENE
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TOWN AND COUNTRY PLANNING

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- FARM BUILDINGS : Town and country planning
- MOTOR VEHICLES : Service stations : Town and country planning
- POWER TRANSMISSION LINES, Overhead
- RECREATIONAL AREAS
- ROADS : Town and country planning
- TOWN PLANNING
- VILLAGE PLANNING

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- BUILDINGS : Town planning
- BUSES : Transport : Town planning
- EDUCATIONAL BUILDINGS : Town planning
- FORTIFIED TOWNS : Town planning
- HOLIDAY RESORTS : Town planning
- HOUSES : Modernisation : Town planning
- HOUSING, Prefabricated : Town planning
- HOUSING : Town planning
- JOURNEYS TO WORK : Town planning
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- OFFICE BUILDINGS : Town planning
- PARKS
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- PORTS : Town planning
- RAILWAYS, Underground : Town planning
- RECREATIONAL AREAS : Town planning
- RIVERFRONTS : Town planning
- ROADS : Town planning
- ROADS : Traffic : Noise : Town planning
- ROADS : Transport : Town planning
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- SHOPPING CENTRES
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- IMPULSE RESPONSE
- TRANSIENT RESPONSE

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TRANSFER FUNCTIONS : Group delay : Frequency filters. See FILTERS, Frequency : Group delay : Transfer functions

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- HOVERCRAFT : Transport
- MINIBUSES : Transport
- MONORAILS : Transport
- MOTOR COACHES : Operation
- RAILWAY–FERRY SYSTEMS
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MOTOR COACHES
TRAMCARS
TROLLEY BUSES

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TRANSPORT, Public .. Cardiff
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WATER : Supplies .. Cardiganshire
WALKING : Artificial legs. See LEGS, Artificial : Walking
WALKING BEAM FURNACES : Reheating : Metals. See METALS : Reheating : Furnaces, Walking beam
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WALL ATTACHED SPHERES. See SPHERES, Wall attached
WALL EFFECT : Rayleigh wave number : Cells : Convection. See CONVECTION : Cells : Rayleigh wave Number : Wall effects
WALL EFFECT : Turbulence suppression : Flow : Solutions : Polymers. See POLYMERS : Solutions : Flow : Turbulence : Suppression : Wall effect
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See
EXPLOSIVES RESEARCH AND DEVELOPMENT ESTABLISHMENT

WALTHAM FOREST
See
WATER : Engineering.. Waltham Forest

WALTHAMSTOW
See
WATER : Engineering.. Waltham Forest.. Walthamstow

WANDSWORTH
See
SHOPPING CENTRES.. Wandsworth
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WAREHOUSES : Storage : Canned food. See FOOD, Canned : Storage : Warehouses
WAREHOUSES : Storage : Cosmetics. See COSMETICS : Storage : Warehouses
WAREHOUSES : Storage : Electric cables. See CABLES, Electric : Storage : Warehouses
WAREHOUSES : Storage : Electrical household appliances. See HOUSEHOLD APPLIANCES, Electrical : Storage : Warehouses
WAREHOUSES : Storage : Food. See FOOD : Storage : Warehouses
WAREHOUSES : Storage : Footwear. See FOOTWEAR : Storage : Warehouses
WAREHOUSES : Storage : Groceries. See GROCERIES : Storage : Warehouses
WAREHOUSES : Storage : Metal manufactures. See METALS : Manufactures : Storage : Warehouses
WAREHOUSES : Storage : Scale model components : Motor vehicles. See MOTOR VEHICLES : Scale models : Components : Storage : Warehouses
WAREHOUSES : Storage : Spare parts : Motor vehicles. See MOTOR VEHICLES : Spare parts : Storage : Warehouses
WAREHOUSES : Storage : Stainless steel. See STEEL, Stainless : Storage : Warehouses
WAREHOUSES : Storage : Stationery. See STATIONERY : Storage : Warehouses
WAREHOUSES : Storage : Steel. See STEEL : Storage : Warehouses
WAREHOUSES : Storage : Steel; Bars : Agricultural machinery manufactures. See AGRICULTURAL MACHINERY : Manufactures : Bars; Steel : Storage : Warehouses
WAREHOUSES : Storage : Steel; Roller bearings. See BEARINGS, Roller; Steel : Storage : Warehouses
WAREHOUSES : Storage : Town gas appliances. See GAS, Town : Appliances : Storage : Warehouses
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WARM AIR : Thermal storage heating : Housing. See HOUSING : Heating, Thermal storage : Warm air

WARMBAD
See
PEGMATITE : Mining.. Warmbad

WARNFORD
See
PAPERMAKING.. Warnford

WARNING LAMPS : Road repair. See ROADS : Repair : Warning lamps
WARP KNIT FABRICS. See FABRICS, Warp knit
WARP KNIT FABRICS : Knitwear. See KNITWEAR : Fabrics, Warp knit
WARP KNIT FABRICS : Upholstery. See UPHOLSTERY : Fabrics, Warp knit
WARP KNIT MAN MADE FIBRES FABRICS. See FABRICS; Man made fibres,, Warp knit
WARP KNIT NYLON FABRICS. See FABRICS; Nylon,, Knitted, Warp

WARP KNIT WOOL FABRICS. See FABRICS; Wool,, Warp knit
WARP KNITTING. See KNITTING, Warp
WARP KNITTING : Fabrics : Shirts. See SHIRTS : Fabrics : Knitting, Warp
WARP KNITTING : Tufted carpets. See CARPETS, Tufted : Knitting, Warp
WARP KNITTING : Wool; Fabrics : Outerwear. See OUTERWEAR : Fabrics; Wool : Knitting, Warp
WARP WOW : Pickups : Gramophones. See GRAMOPHONES : Pickups : Warp wow

WARP WOW : Sound records : Discs. See DISCS : Sound Records : Warp wow
WARP YARNS. See YARNS, Warp
WARPING : Yarns. See YARNS : Warping
WARPS : Stern trawlers. See TRAWLERS, Stern : Warps
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TOWN PLANNING.. Warrington

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AIRCRAFT CARRIERS
BOATS, Motor,, Naval
CRUISERS
FRIGATES
MINESWEEPERS
PATROL BOATS
SHIPS, Military transport
SUBMARINES

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See
TOWN PLANNING .. Warwick

WASHING : Cotton; Fabrics. See FABRICS; Cotton : Washing

WASHING : Flasks : Distillation : Kjeldahl method : Nitrogen determination : Nitrogen compounds. See NITROGEN COMPOUNDS : Determination of nitrogen : Kjeldahl method : Distillation : Flasks : Washing

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DETERGENTS

WASHINGTON, D.C.
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RAILWAYS .. Washington, D.C.

WASHINGTON (Durham County)
See
HOUSING .. Washington (Durham County)

WASHINGTON STATE
See
HYDROELECTRIC POWER STATIONS .. Mossyrock

WASTE
Related Headings:
EFFLUENTS
REFUSE

WASTE : Chromium : Oxidation : Cyanides : Effluents : Finishing : Metals. See METALS : Finishing : Effluents : Cyanides : Oxidation : Chromium : Waste

WASTE : Nuclear reactors. See NUCLEAR REACTORS : Wastes

WASTE : Paper. See PAPER : Waste

WASTE : Potatoes : Protein extraction. See PROTEIN : Extraction : Potato waste

WASTE : Potatoes : Starch food products production. See STARCH : Food products : Products : Production : Potatoes : Waste

WASTE : Wood : Firing : Cyclone furnaces : Boilers. See BOILERS : Furnaces, Cyclone,, Wood waste fired

WASTE DUMPS : Mining : Gold. See GOLD : Mining : Waste dumps

WASTE GASES : Blast furnaces : Gas turbines : Alternators. See ALTERNATORS : Gas turbines : Blast furnace waste gases

WASTE HEAT : Utilisation : Air conditioning. See AIR CONDITIONING : Waste heat utilisation

WASTE HEAT : Utilisation : Air conditioning : Office buildings. See OFFICE BUILDINGS : Air conditioning : Waste heat utilisation

WASTE HEAT RECOVERY : Diesel engines : Ships. See SHIPS : Diesel engines : Waste heat recovery

WASTE HEAT RECOVERY : Electric heating : Office buildings. See OFFICE BUILDINGS : Heating, Electric : Waste heat recovery

WASTE HEAT RECOVERY : Gas turbines : Alternators. See ALTERNATORS : Gas turbines : Waste heat recovery

WASTE HEAT RECOVERY : Incinerators : Refuse. See REFUSE : Incinerators : Waste heat recovery

WASTE HEAT RECOVERY : Lighting. See LIGHTING : Heat utilisation

WASTE HEAT RECOVERY : Natural gas : Gas turbines : Alternators. See ALTERNATORS : Gas turbines : Natural gas : Waste heat recovery

WASTE HEAT RECOVERY : Reforming : Hydrocarbons : Town gas production. See GAS, Town : Production : Hydrocarbons : Reforming : Waste heat recovery
WASTE HEAT RECOVERY : Synthesis gas : Ammonia production. See AMMONIA : Production : Synthesis gas : Waste heat recovery
WASTE PAPER : Paper board manufactures. See BOARD, Paper : Manufactures : Paper, Waste
WASTE PIPES; Copper : Urinals. See URINALS : Waste pipes; Copper
WASTE PRODUCTS
Related Headings:
SCRAP
WASTE PRODUCTS : Cows. See COWS : Waste products

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WATCHGATE
See
WATER : Engineering.. Watchgate

WATER
Related Headings :
AQUEOUS
EUTROPHICATION
FEEDWATER
GROUND WATER
HYDROLOGY
ICE

WATER
Related Headings—cont.
MOISTURE
SEA : Water
SOLUTIONS, Aqueous
STEAM

WATER–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Physical properties
  - *Internal energy*
  - *Surfaces*
  - *Interfacial regions*
  - Motion
    - *Waves*
    - *Flow*
      - *Flowmeters*
      - *Velocity*
      - *Vortices*
      - *Eddies*
      - *Cavitation*
      - *Jets*
  - Heat, Transfer
    - *Thermal diffusivity*
    - *Convection*
  - Optical properties
    - *Turbidity*
  - *Electrical properties*
    - *Electrical conductivity*
    - *Permittivity*
    - *Compton scattering*
- Chemical properties
  - *Chemical structure*
  - *Inert gas diffusion*
  - *Carbon monoxide diffusion*
  - *Hydrogen chloride absorption*
  - *Ammonia absorption*
- Sensory properties
  - *Taste*
  - *Odours*

- Constituents
  - *Air bubbles*

- Technical activities
  - Analysis
    - *Determination*
  - *Engineering*
    - *Level indicators*
    - *Pumping*
      - *Pumps*
    - *Valves*
    - *Purification*
      - *Coagulation*
      - Filtration
        - *Filters*
      - *Softening*
      - *Distillation*
      - *Evaporation*
    - *Extraction*
    - *Reclamation*
  - Distribution
    - *Channels*
    - *Tunnels*
    - *Pipes*
      - *Mains*
      - *Pipelines*

WATER–SUBHEADINGS–Synopsis–cont.

- Distribution–cont.
  - *Storage*
    - *Tanks*
    - *Towers*
  - *Pollution*

- Use
  - *Resources*
    - *Wells*
  - *Supplies*
  - Equipment
    - *Fittings*

  - Particular uses
    - Power Generation
      - *Turbines*
    - *Heating*
    - *Cooling media*
      - *Chilling*
      - Chemical engineering
        - *Packed beds*

- Forms of water
  - *Droplets*
  - *Vapour*

- Kinds of water by property or use
  - *Hot*
  - *Boiling*
  - *Superheated*
  - Stratified
    - *Density currents*
  - *Saline*
  - *Extracted*
  - *Drinking*
  - *Industrial*
  - *Heavy*

WATER : Absorbents : Paint. See PAINT : Water absorbents

WATER : Absorption : Correlation with crimp : Wool fibres. See WOOL : Fibres : Crimp : Correlation with water absorption

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WELDED ALUMINIUM–MAGNESIUM–MANGANESE. See ALUMINIUM–MAGNESIUM–MANGANESE, Welded

WELDED ALUMINIUM–MAGNESIUM–ZINC. See ALUMINIUM–MAGNESIUM–ZINC, Welded

WELDED AUSTENITIC STAINLESS STEEL. See STEEL, Stainless,, Austenitic,, Welded

WELDED BARS : Roofs : Coal mining. See COAL : Mining : Roofs : Bars, Welded

WELDED CASTINGS : Steel. See STEEL : Castings, Welded

WELDED FERRITIC STEEL. See STEEL, Ferritic,, Welded

WELDED FLANGED PLATES : Bending machines : Plates. See PLATES : Bending : Machines : Plates, Flanged,, Welded

WELDED HIGH TENSILE STEEL. See STEEL, High tensile,, Welded

WELDED HIGH TENSILE STEEL; Girders : Bridges. See BRIDGES : Girders; Steel, High tensile,, Welded

WELDED HIGH YIELD STRESS STEEL. See STEEL, High yield stress,, Welded

WELDED HIGH YIELD STRESS STEEL; Beams. See BEAMS; Steel, High yield stress,, Welded

WELDED IRON BLADES : Swords. See SWORDS : Blades; Iron,, Welded

WELDED IRON HEADS : Lances. See LANCES : Heads; Iron,, Welded

WELDED MAR-AGEING STEEL–COBALT–MOLYBDENUM–NICKEL. See STEEL–COBALT–MOLYBDENUM–NICKEL, Mar-ageing,, Welded

WELDED MAR-AGEING STEEL–COBALT–MOLYBDENUM–NICKEL STRIPS. See STRIPS; Steel–Cobalt–Molybdenum–Nickel, Mar-ageing,, Welded

WELDED MAR-AGEING STEEL–NICKEL MILITARY EQUIPMENT. See MILITARY EQUIPMENT; Steel–Nickel, Mar-ageing,, Welded

WELDED METAL PLATES. See PLATES; Metals,, Welded

REFUSE : Disposal : Equipment; Metals, Welded

WELDED METAL REFUSE DISPOSAL EQUIPMENT. See REFUSE : Disposal : Equipment; Metals,, Welded

WELDED METALS. See METALS, Welded

WELDED MILD STEEL. See STEEL, Mild,, Welded

WELDED NOTCHED HIGH TENSILE STEEL PLATES. See PLATES; Steel, High tensile,, Notched,,

WELDED PLATES : Tankers : Ships. See TANKERS : Ships : Plates, Welded
WELDED QUENCHED STEEL. See STEEL, Quenched,, Welded
WELDED REINFORCED MILD STEEL; Side frames : Chassis : Lorries. See LORRIES : Chassis : Side Frames; Steel, Mild,, Reinforced,, Welded
WELDED RIMMING STEEL; Bilge keels : Ships : Tankers. See TANKERS : Ships : Keels, Bilge; Steel, Rimming,, Welded
WELDED RIMMING STEEL; Bilge strakes : Ships : Tankers. See TANKERS : Ships : Strakes, Bilge; Steel Rimming,, Welded
WELDED ROLLED STEEL-MANGANESE-NIOBIUM. See STEEL-MANGANESE-NIOBIUM, Rolled,, Welded
WELDED STAINLESS STEEL; Wire dandy rolls : Papermaking machines. See PAPERMAKING : Machines : Dandy rolls, Wire ; Steel, Stainless,, Welded
WELDED STEEL. See STEEL, Welded
WELDED STEEL ALLOYS. See STEEL : Alloys, Welded
WELDED STEEL-CHROMIUM-MOLYBDENUM CHEMICAL ENGINEERING PLANT. See CHEMICAL ENGINEERING : Plant; Steel-Chromium-Molybdenum,, Welded
WELDED STEEL-CHROMIUM-MOLYBDENUM-NICKEL. See STEEL-CHROMIUM-MOLYBDENUM-NICKEL, Welded
WELDED STEEL FRAMES : Grinding machines. See GRINDING : Machines : Frames; Steel,,Welded
WELDED STEEL-MANGANESE HEADERS : Boilers. See BOILERS : Headers; Steel-Manganese,, Welded
WELDED STEEL MILITARY EQUIPMENT. See MILITARY EQUIPMENT; Steel,, Welded
WELDED STEEL PIPES. See PIPES; Steel,, Welded
WELDED STEEL STRUCTURES. See STRUCTURES; Steel,, Welded
WELDED STEEL STRUCTURES : Machine tools. See MACHINE TOOLS : Structures; Steel,, Welded
WELDED STEEL TANKS : Storage : Petroleum. See PETROLEUM : Storage : Tanks; Steel,,Welded
WELDED STEEL TUBES. See TUBES; Steel,, Welded
WELDED STEEL WIRES : Mesh : Strata control : Mining : Coal. See COAL : Mining : Strata control : Mesh : Wires; Steel,, Welded
WAVELENGTHS : Vibrations. See VIBRATIONS : Wavelengths

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WELDING
Related Headings :
ELECTRON BEAM WELDING
LASERS : Welding

WELDING-SUBHEADINGS-Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

Organisations
Education
Standards

Equipment
Transformers

Technical activities
Inspection

WELDING-SUBHEADINGS-Synopsis-*cont.*

Kinds of welding
Plug
By heat source
Electric
Arc
Stud
Arcmetal process
Microplasma arc
Resistance
Spot
Oxy-Acetylene

Friction

Pressure
Explosives

WELDING : Aluminium; Busbars : Power distribution : Recording : Sound films. See SOUND FILMS : Recording : Power distribution : Busbars; Aluminium : Welding
WELDING : Aluminium alloys; Superstructures : Ships. See SHIPS : Superstructures; Aluminium alloys : Welding
WELDING : Aluminium-Magnesium; Tanks : Road tankers. See TANKERS, Road : Tanks; Aluminium-Magnesium : Welding

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WELDING, Arc : Agricultural equipment repairs. See AGRICULTURAL EQUIPMENT : Repairs : Welding, Arc
WELDING, Arc : Aluminium alloys; Plates : Structures. See STRUCTURES : Plates; Aluminium alloys : Welding, Arc
WELDING, Arc : Aluminium alloys : Shipbuilding materials. See ALUMINIUM : Alloys : Shipbuilding materials : Welding, Arc
WELDING, Arc : Aluminium-Magnesium; Tanks : Petroleum : Road tankers. See TANKERS, Road : Petroleum : Tanks; Aluminium-Magnesium : Welding, Arc

WELDING, Arc,, Argon-Carbon dioxide shielded

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WELDING, Arc : Costs

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WELDING, Arc : Galvanised mild steel; Sheets. See SHEETS; Steel, Mild,, Galvanised : Welding, Arc

WELDING, Arc : Galvanised steel. See STEEL, Galvanised : Welding, Arc

WELDING, Arc,, Gas shielded

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WELDING, Arc,, Gas shielded : Programmers

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WELDING, Arc : Gear repair. See GEARS : Repair : Welding, Arc

WELDING, Arc : Hardfacing : Hoppers : Blast furnaces. See FURNACES; Blast : Hoppers : Hardfacing : Welding, Arc

WELDING, Arc : Hardfacing : Mantle repair : Crushing plant : Limestone. See LIMESTONE : Crushing : Plant : Mantles : Repair : Hardfacing : Welding, Arc

WELDING, Arc : Hardfacing : Steel–Manganese roll repair : Crushers : Rock. See ROCK : Crushers : Rolls; Steel–Manganese : Repairs : Hardfacing : Welding, Arc

WELDING, Arc : Mar-ageing steel–cobalt–molybdenum–nickel. See STEEL–COBALT–MOLYBDENUM–NICKEL, Mar-ageing : Welding, Arc

WELDING, Arc : Metals; Pipes. See PIPES; Metals : Welding, Arc

WELDING, Arc : Mild steel. See STEEL, Mild : Welding, Arc

WELDING, Arc : Nodular iron. See IRON, Nodular : Welding, Arc

WELDING, Arc : Pipelines : Natural gas. See GAS, Natural : Pipelines : Welding, Arc

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WELDING, Arc : Steel. See STEEL : Welding, Arc

WELDING, Arc : Steel; Motor vehicle parts. See MOTOR VEHICLES : Parts; Steel : Welding, Arc

WELDING, Arc : Steel; Pipelines : Natural gas. See GAS, Natural : Pipelines; Steel : Welding, Arc

WELDING, Arc : Steel; Pipelines : Town gas. See GAS, Town : Pipelines; Steel : Welding, Arc

WELDING, Arc : Steel; Plates : Presses : Forging. See FORGING : Presses : Plates; Steel : Welding, Arc

WELDING, Arc : Steel; Sheets. See SHEETS; Steel : Welding, Arc

WELDING, Arc : Steel; Tanks : Storage : Petroleum. See PETROLEUM : Storage : Tanks; Steel : Welding, Arc

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WELDING, Arc : Ultra-high vacuum equipment. See VACUUM, Ultra-high : Equipment : Welding, Arc

WELDING : Arcmetal process

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WELDING : Astronautics vehicles. See ASTRONAUTICS : Vehicles : Welding

WELDING : Bodies : Motor cars. See MOTOR CARS : Bodies : Welding

WELDING : Boilers. See BOILERS : Welding

WELDING, Butt : Bodies : Motor cars. See MOTOR CARS : Bodies : Welding, Butt

WELDING, Butt : Light alloys. See ALLOYS, Light : Welding, Butt

WELDING, Butt : Plates : Ships. See SHIPS : Plates : Welding, Butt

WELDING, Butt : Steel; Plates. See PLATES; Steel : Welding, Butt

WELDING : Castings. See CASTINGS : Welding

WELDING : Chemical engineering plant. See CHEMICAL ENGINEERING : Plant : Welding

WELDING : Copper alloys; Bells. See BELLS; Copper alloys : Welding

WELDING : Cryogenics equipment. See CRYOGENICS : Equipment : Welding

WELDING : Earth moving equipment repairs. See EARTH MOVING EQUIPMENT : Repairs : Welding

WELDING : Education

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WELDING, Friction : Hydraulic equipment

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WELDING, Friction : Microminiature electronic circuits. See CIRCUITS, Electronic,, Microminiature : Welding, Friction

WELDING, Friction : Mild steel–Stainless steel; Studs : Linings : Concrete; Pressure vessels : Gas cooled nuclear reactors. See NUCLEAR REACTORS, Gas cooled : Pressure vessels; Concrete : Linings : Studs; Mild steel–Stainless steel : Welding, Friction

WELDING, Friction : Nylon; Tape : Strapping : Packaging. See PACKAGING : Strapping : Tape; Nylon : Welding, Friction

WELDING, Friction : Pneumatic equipment

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WELDING, Helical : Steel; Strips : Tubes. See TUBES : Strips; Steel : Welding, Helical

WELDING : Hydroelectric power station plant repair. See HYDROELECTRIC POWER STATIONS : Plant : Repair : Welding

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WELDING, Microplasma arc
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WELDING : Painted steel. See STEEL, Painted : Welding
WELDING, Parallel gap : Printed circuits. See CIRCUITS, Electronic ,, Printed : Welding, Parallel gap
WELDING : Pipeline repair : Petroleum. See PETROLEUM : Pipelines : Repair : Welding
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WELDING : Plate–Tube assemblies. See PLATE–TUBE ASSEMBLIES : Welding

WELDING, Plug ,, Arc ,, Carbon aioxide shielded
Plug welding. P.F. Woods. Machinery Lloyd (European ed.) 40 (Aug 68) p.14-15. il.
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WELDING, Resistance : Electronic component manufactures. See ELECTRONICS : Components : Manufactures : Welding, Resistance
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WELDING, Resistance : Frames : Oil fired heating equipment : Buildings. See BUILDINGS : Heating, Oil fired : Equipment : Frames : Welding, Resistance
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WELDING, Resistance : Steel; Strips : Tubes. See TUBES : Strips; Steel : Welding, Resistance
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WELDING : Ship repairs. See SHIPS : Repairs : Welding
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WELDING, Spot
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WELDING, Spot : Zinc alloy coated mild steel. See STEEL, Mild ,, Coated : Zinc alloys : Welding, Spot
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WELDING : Standards
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WELDING : Steel ; Pipelines : Petroleum. See PETROLEUM : Pipelines; Steel : Welding
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WELDING : Steel pipe repair : Town gas. See GAS, Town : Pipes; Steel : Repair : Welding
WELDING : Strain aged steel. See STEEL, Strain aged : Welding
WELDING, Stud
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WELDING, Submerged arc : Stainless steel; Pipework. See PIPEWORK ; Steel, Stainless : Welding, Submerged arc

WELDING, Submerged arc : Steel; Pipelines : Natural gas. See GAS, Natural : Pipelines; Steel : Welding, Arc,, Submerged

WELDING, Submerged arc : Steel; Tubes. See TUBES; Steel : Welding, Submerged arc

WELDING : Supply vessels : Platforms : Off shore drilling : Petroleum. See PETROLEUM : Drilling, Off shore : Platforms : Supply vessels : Welding

WELDING : Thermoplastics. See THERMOPLASTICS : Welding

WELDING : Titanium; Chemical engineering plant. See CHEMICAL ENGINEERING : Plant; Titanium : Welding

WELDING, Tool–Chip : Machining. See MACHINING : Tool–Chip welding

WELDING : Tractor shovel components. See TRACTOR SHOVELS : Components : Welding

WELDING : Transformers

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WELDING : Vessels : Cryogenics. See CRYOGENICS : Vessels : Welding

WELDING : Wiring : Microminiature circuits. See CIRCUITS, Electronic,, Microminiature : Wiring : Welding

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WELDING STAINLESS STEEL. See STEEL, Stainless,, Welding

WELDING STEEL. See STEEL, Welding

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See
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RAILWAYS, Underground .. Frankfurt
RAILWAYS, Underground .. Munich
RAILWAYS .. West Germany
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WINTER : Motor car accessories. See MOTOR CARS : Accessories : Winter

WINTER : Road construction. See ROADS : Construction : Winter

WINTER : Road maintenance. See ROADS : Maintenance : Winter

WINTER : Tyres : Motor cars. See MOTOR CARS : Tyres : Winter

WIRE DANDY ROLLS : Papermaking machines. See PAPERMAKING : Machines : Dandy rolls, Wire

WIRE FENCES : Farms. See FARMS : Fences, Wire

WIRE SPRINGS. See SPRINGS,

WIRE WOOL TYPE FAILURE : Journal bearings. See BEARINGS, Journal : Failure, Wire wool type

WIRE WOUND FRAMES : Power presses. See PRESSES, Power : Frames, Wire wound

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WIRING : Electrical equipment : Supersonic aircraft. See AIRCRAFT, Supersonic : Electrical equipment : Wiring
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WOLLONGONG
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- COAL : Mining.. Wollongong

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- CHURCHES.. Wolverhampton
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WOOD
Related Headings:
- AFRICAN BLACKWOOD
- AFRICAN PENCIL CEDAR
- ANINGERIA
- BALSAWOOD
- BEECH
- BIRCH
- BLACK SPRUCE
- CANADIAN FIR
- CEIBA
- DOUGLAS FIR
- EAST LONDON BOXWOOD
- FINNISH BIRCH
- GREENHEART
- HARDWOODS
- KAMASSI
- KAUVULA
- KERUING
- PODO
- RHODESIAN TEAK
- SAWDUST
- SITKA SPRUCE
- SPRUCE
- TEAK
- WEST AFRICAN CORDIA
- YELLOW MERANTI

WOOD–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- *Research*

- Properties
- Chemistry
  - *Combustion*

- Technical activities
  - *Measurements*
  - *Drying*
  - *Manufactures*
    - Cutting
      - *Saws*

WOOD–SUBHEADINGS–Synopsis–cont.

- *Mortising*
- *Moulding*
- *Jointing*
- *Planing*
- *Finishing*
  - *Fillers*
  - Painting
    - *Paint*
- *Preservation*
- *Transport*

- Kinds of wood
  - *Unseasoned*
  - *Preserved*
  - *Painted*

- Products and byproducts
  - *Chipboard*
  - *Chips*

- Applications
  - *Building materials*

WOOD; Bathrooms : Hotels. See HOTELS : Bathrooms; Wood
WOOD; Beams : Prefabricated buildings. See BUILDINGS, Prefabricated : Beams; Wood
WOOD; Beams : Roofs. See ROOFS : Beams; Wood

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WOOD : Building materials : Flameproofing
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WOOD : Building materials : Measurements : Metric system
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WOOD : Classrooms : Technical colleges. See TECHNICAL COLLEGES : Classrooms; Wood
WOOD ; Cold stores. See COLD STORES; Wood
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WOOD : Distillation
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  CHARCOAL
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WOOD : Fillers
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WOOD : Finishing
From traditional to—?. J.W. Collier. Woodworking Industry, 25 (Aug 68) p.39
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WOOD : Finishing
Related Headings:
  POLISHING, French
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WOOD; Foot bridges. See BRIDGES, Foot; Wood
WOOD; Formwork : Concrete building construction. See BUILDINGS; Concrete : Construction : Formwork; Wood
WOOD; Frames : Buildings. See BUILDINGS : Frames; Wood
WOOD; Frames : Cooling towers. See COOLING TOWERS : Frames; Wood
WOOD; Frames : Houses. See HOUSES : Frames; Wood
WOOD; Frames : Housing. See HOUSING : Frames; Wood
WOOD; Frames : Prefabricated sports halls : Secondary schools. See SCHOOLS, Secondary : Sports halls, Prefabricated : Frames; Wood
WOOD; Frames : Roofs : Hexagonal churches. See CHURCHES, Hexagonal : Roofs : Frames; Timber
WOOD; Frames : Windows. See WINDOWS : Frames; Wood
WOOD; Frames : Windows : Libraries : University buildings. See UNIVERSITY BUILDINGS : Libraries : Windows : Frames; Wood
WOOD; Furniture. See FURNITURE; Wood
WOOD; Furniture : Bedrooms. See BEDROOMS : Furniture; Wood
WOOD; Furniture : Kitchens. See KITCHENS : Furniture; Wood
WOOD; Furniture : Offices. See OFFICES : Furniture; Wood
WOOD; Handles : Brushes. See BRUSHES : Handles; Wood
WOOD ; Houses. See HOUSES; Wood
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YACHTS : Navigation : Tidal waters
Running aground and pilotage through tidal waters. P. Heaton. Motor Boat, 108 (9 Feb 68) p.45-7. il.

YACHTS : Operation
Dinghy stowage and the rules of the road. P. Heaton. Motor Boat, 108 (26 Jan 68) p.45-7. il.

YACHTS : Safety : Equipment
Is safety a bore? D. Wright. Motor Boat, 108 (28 Jun 68) p.38-9

YACHTS : Sailing : Night
Advantages of sailing at night. P. Heaton. Motor Boat, 108 (3 May 68) p.105-7. il.

YACHTS : Sailing : Sheets : Stoppers
Pop a stopper on! T. Sex. Motor Boat, 107 (15 Dec 67) p.37. il.

YACHTS : Sails : Reefing
Reefing and heavy weather tactics. P. Heaton. Motor Boat, 108 (22 Mar 68) p.59-61. il.

YACHTS : Self steering systems
Behaviour and stability of wind operated steering systems for sailing yachts. A.L. Buchan & J.R. Flewitt. R. Instn. of Naval Architects Q. Trans., 110 (Jul 68) p.347-61. il. refs.

YACHTS : Spinnakers : Setting
Setting the spinnaker three ways to fix your position. P. Heaton. Motor Boat, 108 (5 Apr 68) p.91-3. il.

YACHTS, Steam
S.Y. "Hiniesta". Light Steam Power, 17 (Nov/Dec 68) p.304-6

YACHTS, Twin keeled
Twin keel yachts—development over 45 years. Lord Riverdale. R. Instn. of Naval Architects Q., Trans., 110 (Jul 68) p.327-45. il.

YAGI AERIALS. See AERIALS, Yagi

YAGI AERIALS : Radio telescopes. See TELESCOPES, Radio : Aerials, Yagi

YAMAHA MOTOR CYCLES. See MOTOR CYCLES, Types, Yamaha

YAMAHA YASI MOTOR CYCLES. See MOTOR CYCLES, Types, Yamaha YASI

YAMAHA YDS5-PORT MOTOR CYCLES. See MOTOR CYCLES, Types, Yamaha YDS5-Port

YARNS
Related Headings:
- SLIVERS
- TOPS
- TOWS

YARNS–SUBHEADINGS–Synopsis

This synopsis shows, in italic, related subheadings which are separated in the alphabetical sequence following.

- Properties
  - *Length*
  - *Count*

YARNS–SUBHEADINGS–Synopsis–cont.

- Properties–cont.
  - *Crimp*
  - *Strength*
- Technical activities
  - *Manufactures*
    - *Drawing*
    - *Winding*
    - *Warping*
    - *Spinning*
    - *Sizing*
    - *Dyeing*
- Kinds of yarns
  - By property
    - *Textured*
  - By material
    - *Cotton*
    - *Jute*
    - *Hemp–Jute*
    - *Wool*
      - *Worsted*
      - *Semi-worsted*
    - *Alpaca*
    - *Man-made fibres*
      - *Man made fibres–Wool*
      - Cellulosic
        - *Cellulose acetate*
        - *Rayon*
      - Polyamides
        - *Nylon*
      - *Polyester fibres*
      - Acrylic fibres
        - *Acrilan*
      - *Polyurethane*
  - By purpose
    - *Warp*

YARNS; Acrylic fibres : Hosiery. See HOSIERY : Yarns; Acrylic fibres

YARNS; Acrylic fibres : Knitting. See KNITTING : Yarns; Acrylic fibres

YARNS; Acrilan
New developments in the use of Acrilan. Textile Weekly, 67 (8 Dec 67) p.791+. il.

YARNS; Alpaca : Spinning : Ring frames : Research
Alpaca spun to 80's [Textile research at Leeds University] C.M. Bottomley. Wool Record, 113 (15 Mar 68) p.13-14

YARNS : Backing : Tufted carpets. See CARPETS, Tufted : Backing : Yarns

YARNS : Carpets. See CARPETS : Yarns

YARNS; Cellulose acetate ,, Bi-component : Dyeing
Dyeing new combined yarns (summary) G.W. Madaras. Dyer, Textile Printer, Bleacher & Finisher, 139 (19 Apr 68) p.501

YARNS; Cotton : Spinning : Machines
Cotton system spinning. W. Andrew. Textile Month (Nov 68) p.81+. il.

YARNS; Cotton–Polynosics : Underwear. See UNDERWEAR : Yarns; Cotton–Polynosics

YARNS : Count : Measurement : Metric system
Tex system. A.F.B. Nall. Textile Inst. & Industry, 6 (Aug 68) p.203

YARNS : Crimp, Planar
Effects of planar crimp in the measurement of the mechanical properties of fibres, filaments, and yarns. J. Skelton. J. of Textile Inst., 58 (Nov 67) p.533-56. ref.

YARNS; Crimplene : Knitting. See KNITTING : Yarns; Crimplene

YARNS; Dacron,, Textured : Fabrics : Knitwear. See KNITWEAR : Fabrics; Dacron,, Textured yarn

YARNS : Drawing

Drawing and spinning of short fibres—at Basle—and tomorrow. G. Dakin. Textile Inst. & Industry, 6 (Mar 68) p.67-8

YARNS : Dyeing : History

Review of modern yarn dyeing, pt.1. F. Harris. Textile Weekly, 68 (19 Jan 68) p.74+. il.

YARNS : Dyeing : Machines

Review of modern yarn dyeing, pt.2. F. Harris. Textile Weekly, 68 (26 Jan 68) p.106+. il.

YARNS, Elastic : Hosiery. See HOSIERY : Yarns, Elastic

YARNS, Filament, Nylon; Fabrics. See FABRICS; Nylon, Filament yarn

YARNS; Hemp—Jute : Blending

Blending jute and sunn hemp on jute machinery. K.K. Chatterjee & N.G. Paul. Textile Manufacturer, 93 (Dec 67) p.513-15. refs.

YARNS : Hosiery. See HOSIERY : Yarns

YARNS : Jersey fabrics. See JERSEY FABRICS : Yarns

YARNS; Jute : Carpets. See CARPETS : Yarns; Jute

YARNS; Jute : Irregularities : Measurement : Capacitance detectors

Effect of mass variability of jute yarns [Yarn-Mass Analyser] D.F. Leach. J. of Textile Inst., 59 (Feb 68) p.78-88. refs.

YARNS; Jute : Spinning : Oil, Batching

Effects of oil and water on filamentation in jute fibre processing. S.B. Bandyopadhyay, H.C. Ghosh & B.K. Bose. Textile Manufacturer, 95 (Oct 68) p.408-10. refs.

YARNS : Knitting. See KNITTING : Yarns

YARNS : Length : Measurement : Instruments

Measurement of yarn length. E.R. Brooke. Hosiery Trade J., 75 (Mar 68) p.88+

YARNS; Man made fibres : Knitting. See KNITTING : Yarns; Man made fibres

YARNS; Man made fibres : Manufactures : Machines

Woolcombers Ltd. progress in synthetics: Seydel tops being produced in Bradford [James W. Firth & Co.] Wool Record, 114 (11 Oct 68) p.35+. il.

YARNS; Man made fibres,, Textured

Producer-bulked yarns cause processors little concern. Wool Record, 113 (23 Feb 68) p.43

YARNS; Man made fibres, Textured : Manufactures

A.T.M.'s north east expansion includes polyester. Hosiery Trade J., 75 (May 68) p.79-80

How the throwsters have coped with a textile revolution. P.M. Rowe. Hosiery Trade J., 75 (Sep 68) p.137-9

UK processors and their products (list) Textile Month (Apr 68) p.75-6

YARNS; Man made fibres,, Textured : Manufactures : Machines

False twist route still most popular in yarn texturing. J.H. Entwistle. Man-Made Textiles & Skinner's Record, 44 (Nov 67) p.67-8. il.

Leesona's concept in false twist texturing machines. C.J. Dudzik. Textile Manufacturer, 94 (Apr 68) p.138-9. il.

YARNS; Man made fibres,, Textured : Manufactures : Machines : Industrial design

CoID design awards: false twist crimping machine: Scragg's CrimpSpin CS 12-600. P. Burall. Design (May 68) p.49-51. il.

YARNS; Man made fibres,, Textured : Setting : Heat : Equipment

New heat-setting attachment on false-twist machine [Heberlein FZ 25] Textile Manufacturer, 94 (Aug 68) p.331-3. il.

YARNS; Man made fibres—Wool

Use of synthetic fibres in conjunction with wool. J. Rest. Hosiery Times, 41 (Jan 68) p.61+

Use of synthetic fibres in conjunction with wool. J. Rest. Textile Manufacturer, 94 (Jan 68) p.9-11

YARNS : Manufactures : Control systems

Automation in the textile industry. Pt.1: its significance in yarn production (summary) R. Greenwood & S. Gould. Textile Weekly, 67 (1 Dec 67) p.762-4. il.

YARNS : Manufactures : Machines

Developments in yarn processing equipment. G.E. Chadwick. Textile Weekly, 67 (24 Nov 67) p.728+. il.

International progress in yarn production (concluded) K.V. Lenoch. Textile Weekly, 68 (3 May 68) p.524-6

International textile progress in yarn production. K.V. Lenoch. Textile Weekly, 68 (26 Apr 68) p.487+.

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YARNS : Manufactures : Quality control

Effect of re-equipment on product quality. D.G. Bell. Textile Inst. & Industry, 6 (Apr 68) p.89-92. il.

YARNS; Nylon,, Filament

New yarn type in blue 'C' nylon [Monsanto] Hosiery Times, 41 (Jun 68) p.27-8

YARNS; Nylon, Filament : Temperature : Measurement : Pyrometers, Infra-red

Infra-red pyrometer for the measurement of nylon threadline temperatures. H. Bevan & R.E. Ricketts. J. of Scientific Instruments, 44 (Dec 67) p.1048-50. il. ref.

YARNS; Nylon,, Filament,, Textured : Manufactures

Advance Throwing Mills expand and escalate textured polyester output. Textile Weekly, 68 (14 Jun 68) p.694+. il.

YARNS; Nylon : Knitting. See KNITTING : Yarns; Nylon

YARNS; Nylon,, Trilobal

New trilobal nylon yarns for 1970's prints [Celon fabrics] H. Wild. Textile Month (Nov 68) p.158

YARNS; Polyester fibres : Knitting. See KNITTING : Yarns; Polyester fibres

YARNS; Polyester fibres : Spinning : Conveyors, Pneumatic : Tubes; Steel,, Stainless

Stainless steel tube for polymer-transfer system [TI Stainless Tubes Ltd., Oldbury, Warley, Worcs.] Chemical Processing, 14 (Mar 68) p.74-6. il.

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ATM expand, introduce textured polyester yarns. Hosiery Times, 41 (May 68) p.88+. il.

Advance Throwing Mills expand and escalate textured polyester output. Textile Weekly, 68 (14 Jun 68) p.694+. il.

YARNS; Polyurethane,, Elastic : Mechanical properties

Stretch and recovery behaviour of elastomeric yarns. N. Wilson. J of Textile Inst., 58 (Dec 67) p.611-25. ref.

YARNS; Rayon : Spinning : Equipment; Steel—Chromium—Molybdenum—Nickel : Pitting : Hydrogen sulphide—Sulphuric acid solutions

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YARNS; Rayon, Viscose : Dyeing : Procion : Solutions; Alkalis : Diffusion : Measurement

Mechanism of dyeing with Procion dyes. Pt.3: determination of the affinities and integral diffusion coefficients of reactive dyes from alkaline solutions. H.H. Sumner & B. Taylor. J. of Soc. of Dyers & Colourists, 83 (Nov 67) p.445-50. il. refs.

YARNS; Rubber : Fabrics : Clothing. See CLOTHING : Fabrics : Yarns; Rubber

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YARNS, Shrink resistant : Knitting. See KNITTING : Yarns, Shrink resistant

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Drawing and spinning of short fibres—at Basle—and tomorrow. G. Dakin. Textile Inst. & Industry, 6 (Mar 68) p.67-8

YARNS : Spinning, Break

Application of tow-to-top converting system to break spinning (summary) W. Ankadowicz & T. Jedryka. Textile Weekly, 67 (22 Dec 67) p.852-4. il.

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Economics of break spinning. H. Catling. Textile Month (Jan 68) p.66-8. il.

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Break spinning survey confirms that economic value depends on counts spun (summary of annual report of British Spinners' and Doublers' Association which summarises work of Cotton, Silk and Man-made Fibres Research Association) Textile Weekly, 68 (22 Mar 68) p.324-6. il.

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Review of textile auto-levelling systems. S. Gould. Textile Weekly, 68 (4 Oct 68) p.418-20

Some theoretical limitations of sliver autolevelling systems. I Davies. J. of Textile Inst., 59 (Jan 68) p.10-38. ref.

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Systems for spinning coarse high loft yarns. Textile Month (Sep 68) p.80-1. il.

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Producing self-pressurizing spindle bearings [NEL, E. Kilbride] Textile Weekly, 68 (14 Jun 68) p.706-7. il.

YARNS : Spinning : Ring frames

Combining flexibility with large-batch production in spinning [Uniflex system at Wm. Ackroyd & Co. Ltd., Otley] Textile Weekly, 68 (2 Feb 68) p.128-9. il.

Faster, more efficient spinning [William Ackroyd & Co. Ltd.] Engineering, 205 (23 Feb 68) p.289-90. il.

Features in heavy roving spinning system [Uniflex at Wm. Ackroyd, Otley] (extracts) Textile Manufacturer, 94 (Feb 68) p.51-2. il.

Modified ring frames for high speed production. N.C. Shah. Textile Inst. & Industry, 6 (May 68) p.130. il.

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Otley worsted spinner re-equips [Uniflex Heavy Roving System at Wm. Ackroyd & Co. Ltd.] Textile Month (Mar 68) p.64+. il.

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World's first installation of the Heavy Roving Uniflex system [William Ackroyd & Co. Ltd., Otley Mills, Otley] C.M. Bottomley. Wool Record, 113 (2 Feb 68) p.14-15. il.

Yorkshire firm pioneers new spinning system [Uniflex at William Ackroyd & Co. Ltd., Otley] Hosiery Times, 41 (Feb 68) p.30+

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Dry wear of steel, in relation to spinning-traveller wear. P. Grosberg & J. Mølgaard. J. of Textile Inst., 59 (Feb 68) p.89-102. il. refs.

YARNS : Spinning, Rotor : Costs

Economics of certain unconventional methods of spinning. W. Slater. Textile Manufacturer, 93 (Nov 67) p.456-60

YARNS : Strength : Testing : Machines

"Between bobbin" yarn strength testing [Uster sub-total printer] H. Brunner & K. Douglas. Textile Manufacturer, 94 (Aug 68) p.320-4. il. refs.

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Euromotte complex. Hosiery Trade J., 75 (Mar 68) p.102-6. il.

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Yarn texturing. M.J. Denton. Textile Month (Nov 68) p.112+. il.

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Winding & warping. M.C. Catlow. Textile Month (Nov 68) p.103+. il.

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Big step forward in yarn reeling [Croon & Lucke, West Germany] Wool Record, 112 (29 Dec 67) p.20-1. il.

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Avoiding trouble in high speed unwinding from cop build ring tubes. G.E. Chadwick. Textile Month (Sep 68) p.62+. il. refs.

YARNS : Winding : Tension : Control : Equipment : Pneumatic systems

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High-speed continuous dyeing of wool [CSIRO, Div. Textile Industry] Wool Record, 112 (29 Dec 67) p.25

YARNS; Wool : Faults : Detectors

Controlling and removing thickness faults in yarns, pt.1. Wool Science Rev. (Oct 67) p.31-44. il. ref.

Controlling and removing thickness faults in yarns, pt.2. Wool Science Rev. (Jul 68) p.40-51. il.

YARNS; Wool : Hosiery. See HOSIERY : Yarns; Wool

YARNS; Wool : Knitting. See KNITTING : Yarns; Wool

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Factors affecting processing and properties of 64's continental spun yarn. N. Saville & P.P. Townend. Textile Manufacturer, 93 (Dec 67) p.510+. il.

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Steaming of wool yarn packages. P. Nordon & N.W. Bainbridge. J. of Soc. od Dyers & Colourists, 84 (Aug 68) p.424-9. il. refs.

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Drawing and spinning long staple fibres. F.A. Greenwood. Textile Manufacturer, 94 (Apr 68) p.133-7. refs.

YARNS ; Worsted : Drawing : Machines

Shortest worsted drawing set [Autoleveller] Wool Record, 112 (22 Dec 67) p.14-15. il.

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Tackling the modernisation problem in coloured worsted spinning [Clay & Horsfall, Sowerby Bridge, Yorks.] P. Lennox-Kerr. Textile Weekly, 68 (2 Aug 68) p.128+. il.

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German gills in Bradford mills [J. Baines & Son Ltd.] C.M. Bottomley. Wool Record, 113 (23 Feb 68) p.20+. il.

YARNS ; Worsted : Spinning : Machines

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Phosphatidyl inositol and complex inositides in autolysed baker's yeast. W.E. Trevelyan. J. of Inst. of Brewing, 74 (Jul/Aug 68) p.365-9. refs.

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YEAST, Brewing : Contamination : Wild yeast

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Variation in the serological behaviour of yeast of the genus Saccharomyces towards fluorescent antibody. T.W. Cowland. J. of Inst. of Brewing, 74 (Sep/Oct 68) p.457-64. refs.

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YEAST : Fermentation : Wines. See WINES : Fermentation : Yeast

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Serological investigation of fining and flocculent yeasts. I. Campbell, F.O. Robson & J.S. Hough. J. of Inst. of Brewing, 74 (Jul/Aug 68) p.360-4. refs.

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Giant in yeast and yeast products [DCL] N. Lyall. Food Trade Rev., 38 (Jan 68) p.33-4. il.

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YELLOW MERANTI

World timbers no. 98 -- Yellow meranti/Yellow Seraya. Wood, 33 (Nov/Dec 68) p.33-4. il.

YIELD

Related Headings :

PORTEVIN–LECHATELIER EFFECT

YIELD : Bending : Curved plates. See PLATES, Curved : Bending : Yield

YIELD : Reinforced concrete; Slabs. See SLABS ; Concrete, Reinforced : Yield

YIELD POINT : Strain aged mild steel. See STEEL, Mild,, Strain aged : Yield point

YIELD STRENGTH : Martensite : Iron–Carbon. See IRON–CARBON : Martensite : Yield strength

YIELD STRENGTH : Polymethyl methacrylate. See POLYMETHYL METHACRYLATE : Yield strength

YIELD STRENGTH : Steel; Bars : Reinforced concrete; Slabs. See SLABS ; Concrete, Reinforced : Bars ; Steel : Yield strength

YIELD STRESS : Aluminium killed mild steel. See STEEL, Mild,, Killed : Aluminium : Yield stress

YIELD STRESS : Analysis : Education : Experiments

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YIELD STRESS : Fast neutron irradiated iron. See IRON, Irradiated : Neutrons, Fast : Yield stress

YIELD STRESS : Oriented polyethylene terephthalate; Film. See FILM; Polyethylene terephthalate, Oriented : Yield stress

YIELD STRESS : Steel. See STEEL : Yield stress

YIELD STRESS : Stock consistency derivation : Papermaking. See PAPERMAKING : Stock consistency : Derivation : Yield stress

YORK

See

ROADS : Town planning.. York
TOWN PLANNING.. York

YORK–MAGIRUS 210D ARTICULATED MOTOR VEHICLES. See MOTOR VEHICLES, Articulated, Types, Magirus 210D–York

YORK SL30–FORD D1000 ARTICULATED MOTOR VEHICLES. See MOTOR VEHICLES, Articulated, Types, Ford D1000–York SL30

YORKSHIRE

See

BUSES : Transport.. Yorkshire
COAL : Mining.. Yorkshire
DAMS : Reservoirs.. West Riding
MOTORWAYS.. Yorkshire
POTASSIUM : Mining.. North Riding
TEXTILES : Industry .. Yorkshire

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Apparatus for the determination of internal friction and Young's modulus at high frequencies. G.V. Beaton. J. of Scientific Instruments, 1 (Jul 68) p.735-7. il. refs.

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YOUNG'S MODULUS : Rods. See RODS : Young's modulus

YOUTH CLUBS : Audio-visual equipment : Industrial design
Light and sound control box: youth club in elementary school at Kulosaaren, Helsinki, Finland. Architects' J., 147 (21 Feb 68) p.427-8. il.

YOUTH CLUBS : Buildings
Church and youth centre: West Dulwich, London SE21. Architects' J., 149 (16 Oct 68) p.867-78. il.
Stowe Club for Boys, London. Building, 214 (21 Jun 68) p.115-18. il.

YTTRIUM : Effect on high temperature oxidation : Iron-Chromium. See IRON-CHROMIUM : Oxidation : High temperature : Effect of yttrium

YTTRIUM : Ores
Related Headings:
XENOTIME

YTTRIUM-ALUMINIUM, Doped; Garnets : Lasers. See LASERS : Garnets; Yttrium-Aluminium, Doped

YTTRIUM-ALUMINIUM; Garnets. See GARNETS; Yttrium-Aluminium

YTTRIUM-IRON; Garnets. See GARNETS; Yttrium-Iron

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